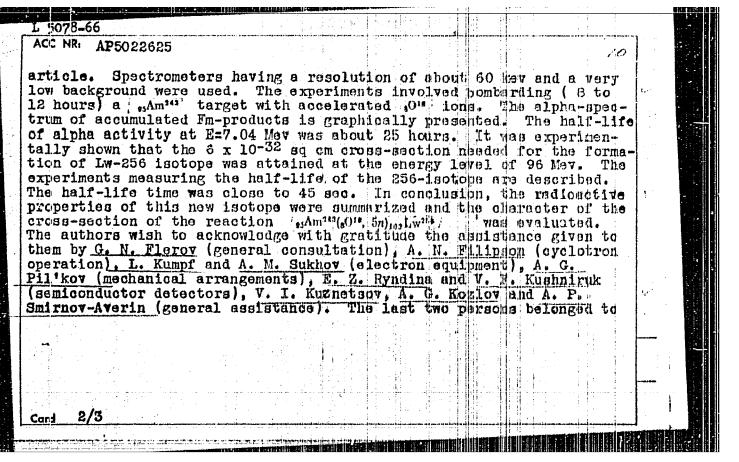
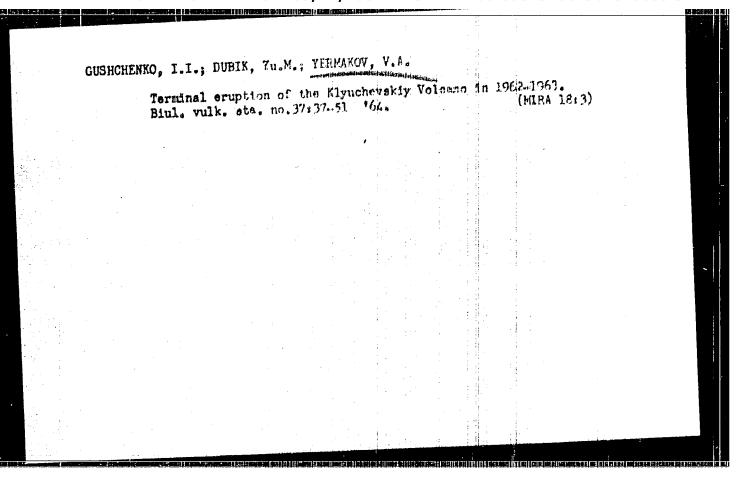
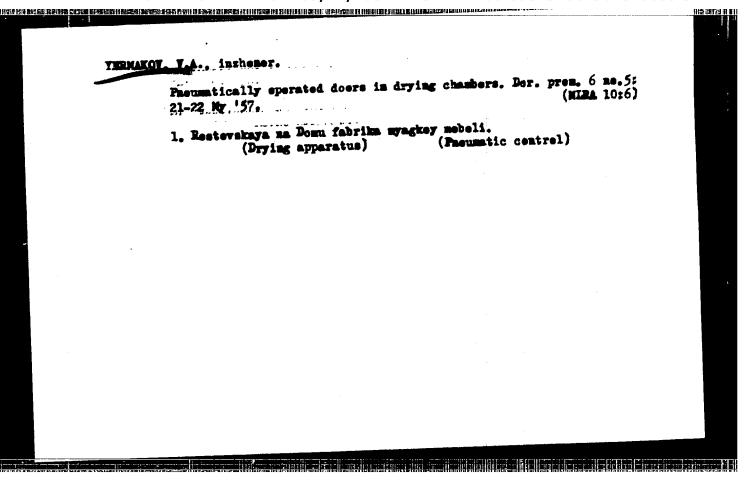
EPA(a)-2/EWT(m)/EPF(n)-2/EWP(t)/EHP(b) til(a) _JD/DM ACC NR. AP5022625 UR/0089/65/010/008/0109/0113 539.183.2 AUTHOR: Donets, Ye. D.; Shchegolev, V. A.; Yermaking, Ma. A. Synthesis of the isotope of mass 256 of the 10%-rd element TITLE: (lawrencium) Atomnaya energiya, v. 18, no. 2, 1965, 100-113 SOURCE: TOPIC TAGS: lawrencium, transuranium elements ABSTRACT: After a trief review of the discovery, in 1961, of lawrencium of an isotope mass 257, the authors present the results of their own identification of a new isotope of mass 256 of the same element. The experiments were conducted at the Joint Institute for Nuclear Research, in Dubna, by using the interior beam of multiply charged ions of the 3-meter cyclotron. The new isotope was synthetized from the nuclear reaction of *5Am215(aO15,5m) toxLw245 The isotope was identified by the 1000 Fmiii isotope. This end product was obtained as a result of a Tio My 200 electron capture and a 101 Lwise alpha decay. The new 256-isotope was identified by the same method which had been used by the authors for the identification of the isotope 256 of the 102-nd element (Atomnaya Energiya, 16, 195 (1964)). The arrangement used for the synthesis of and the build-up of 100 Fm is schematically illustrated in the Card 1/3



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YERMAKOV, V.A. Prospecting for new petroleum fields in Krasnodar Territory. Geol. nefti i gaza 5 no.6:16-20 Je '61. (MIRA 14:6) 1. Treat Krasnodarnefterazvedka. (Krasnodar Territory—Petroleum geology)

YEGOYAN, V.L.; YERMAKOV, V.A.; KIYKO, K.I. Discovery of upper Triassic marine deposits in the Teysk-Berezanskiy area of southwestern Ciscaucasia. Dokl.AN SSSR 138 no.46:1417-1420 (MIRA 14:6) Je '61.

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Je 161.

1. Upravleniye neftyanoy i gazovoy promyshlenmosti "Krasnodarneft"."

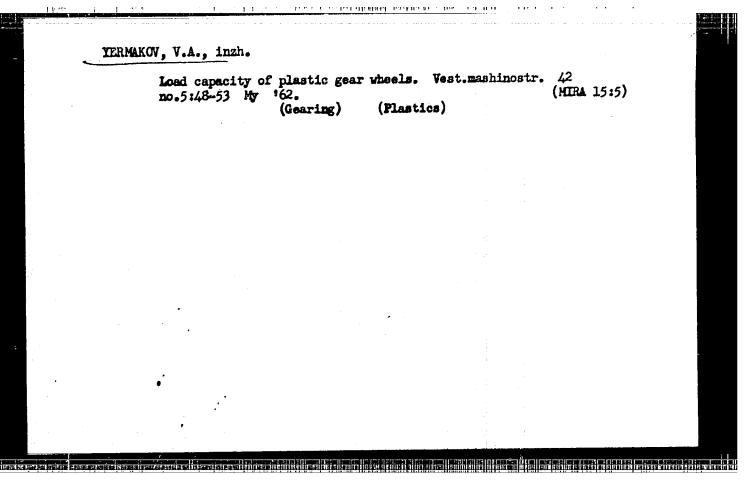
2. Predstavleno akademikom A. L. Yanshinym, (Yeysk region-Geology, Stratigraphic) (Beresanskiy region-Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V.A.

New gas-condensate field in Krasnodar Territory. Geol.nefti 1 gaza 6 no.5:59-60 My '62. (MIRA 15:5)

1. Krasnodarskiy trest po neftyanoy geologicheskoy razvedke. (Krasnodar Territory—Condensate oil wells)



YEMAKOV, V.A.

Recenstruction of drying chambers at the Rostov furniture plant.

Der.i lesokhim. prom. 3 no.4:20-21 Ap 154. (MLRA 7:5)

1. Glavnyy inshener Rostovskoy n/D fabriki myagkoy mebeli.
(Rostov-Lumber--Drying) (Lumber--Drying-Rostov)

YERMAKOV, V.A.

Outlook for finding oil and gas in Ust'-Labinsk District, Krasnodar Territory. Neftegam. geol. i geofim. no.3:9-12 '63. (MIRA 16:8)

1. Krasnodarskiy trest po neftyancy geolegicheskoy razvedke.

ACCESSION NR: AP4020324

S/0089/64/016/003/0195/0207

AUTHOR: Donets, Ye. D.; Shchegolev, V. A.; Yermakov, V. A.

TITLE: Synthesis of the isotope of element 102 with mass number 256

SOURCE: Atomnays energiys, v. 16, no. 3, 1964, 195-207

TOPIC TAGS: element 102, mass number 256, nuclear reaction, transursnium element, decay period, energy dependence, U sup 238

ABSTRACT: In the nuclear reaction U²³⁸ (Ne²², 4n)102²⁵⁶ (a-active isotope of element 102 with mass number 256) is synthesized. The registration and identification of the isotope is made according to the daughter isotope Fm²³. The

ABSTRACT: In the nuclear reaction V^{238} (Ne²², 4n)102²⁵⁶ (a-active isotope of element 102 with mass number 256) is synthesized. The registration and identification of the isotope is made according to the daughter isotope Fm²⁵². The measured half-lifeperiod of 102^{256} is about 8 sec. The energy dependence of the cross section for the formation of isotope 102^{256} in the reaction $V^{238} \neq Ne^{22}$ is studied. Its maximum is in the grea of 112 Mev. The cross section at the maximum reaches about 4.5 x 10^{-32} cm². The work was carried out in an internal beam of the trimeter cyclotron of the nuclear reaction laboratory of the Joint Institute for Nuclear Research. "In conclusion, we are deeply grateful to

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BRANDSHTETR, I.; VOLKOV, V.V.; YERMAKOV, V.A.; 2VAROVA, ".S.; KRZHIVANEK, M.; MALY, Ya.; SU KHUN-GUY (Su Hung-kubi)

Study of the products of reactions of heavy elements with multicharge ions. Part 2: Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by 016, 018, and Ne²² ions. Radiokhimiia 5 no. 6:706-711 '63. (MIRA 17:7)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

BRANDSHTETR, I.; WAN TUN-SEN; YERMAKOV, V.A.; ZVARA, I.; : VAROVA, T.S.; KNOBLOKH, V.; KRZHIVANEK, M.; MALY, Ya.; SU KHUN-GUM [Su Hung-kuei]

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Determination of the yield of some fragments in the fission of heavy nuclei induced by multicharge ions Part 1: Fission of Th²³² induced r 018 and Ne²² ions. Radiokhimiia 5 no. 6: 715-720 *63. (MIRA 17:7)

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AUTHOR: Dedov, N. Razbitnoy, V. M.	/. B.; Volkov.	V. V.; Gvozdev P. S.: Cimburk	ov, Tu. T.	Tulby	V, II. H.			
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ACCESSION NR: AP5020306

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The thermal neutron cross section of Am²⁴¹ is 900 barn, thus even upon short irradiation with a high density thermal-neutron beam a significant amount of the above isotopes may be produced. It can be seen from the above process that the yield of fission products is small since they are produced mainly during fission of Am²⁴². This facilitates the chemical processing of irradiated substances. Production of Pu²⁴² by this process requires much less time than the method which uses Pu²³⁹ as starting material. The authors describe the chemical separation of Pu²⁴², Cm²⁴² starting material. The authors describe the chemical separation of Pu²⁴², Cm²⁴² nead Am²⁴³ from irradiated Am²⁴¹. The scheme for the chemical processing was selected to be such that it would produce rapid separation of the products. The main separation steps involved chromatographic and chemical extraction methods. Chromatographic separation was made extremely difficult by high describing due to the presence of Cm²⁴². Chemical processing was carried out in a shielded area on a special stand with remote control of all operations. The article indicates some properties of curium oxalate, potassium curium sulfate, curium hydroxide and curium carbonate. Orig. art. has: 5 tables and 3 figures.

ASSOCIATION: none

SUBMITTED: 18Apr64

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OTHER: 005

DONETS, Ye.D.; SHCHEGOLEV, V.A.; YERMAKOV, V.A.

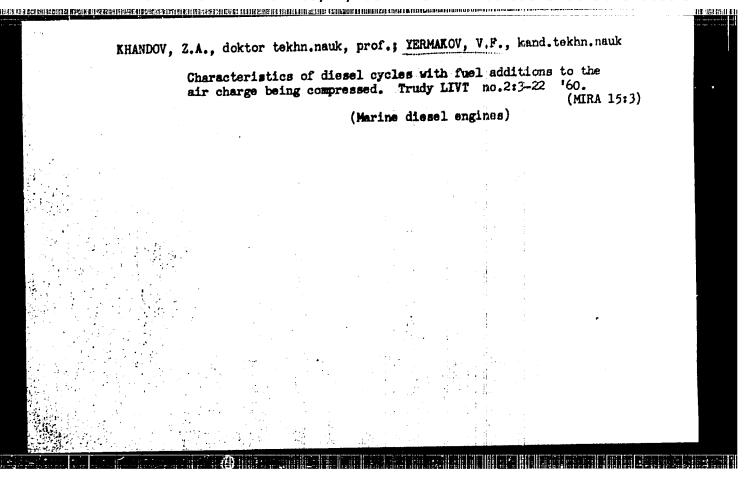
Synthesis of the 103d element (lawrenoium) with mass number 256. Atom. energ. 19 no.2:109-113 Ag '65. (MIRA 18:9)

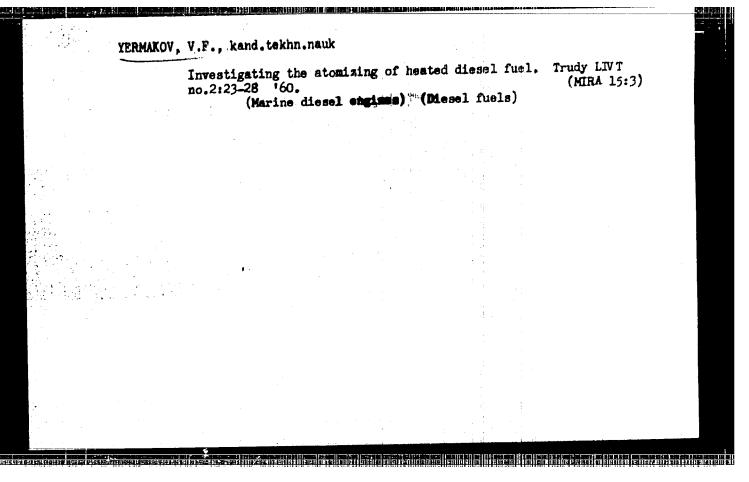
YERMAKOV, V. F.

YERMAKOV, V. F. "Investigation of the Effect of Fuel Temperature on the Working Cycle of a High-Speed Engine with Compression Ignition." Min River Fleet USSR. Leningrad Inst of Water Transport Engineers. Leningrad, 1956. (Dissertation for the Degree of Candidate in Sciences)

Technical

So: Knizhaya Letopis', No. 17, 1956





KHANDOV, Z.A., doktor tekhn.nauk, prof.; YERMAKOV, V.F., kand.tekhn.

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Investigating the feasibility of improving the operations of 3D6 engines. Trudy LIVT no.12:3-10 '61. (MIRA 14:9) (Marine engines)

ACC NR. AR7004111 (AN) SOURCE CODE: UR/0169/66/000/012/V050/V050

AUTHOR: Vyalov, S. S.; Yermakov, V. F.

TITLE: Decrease in the strength of ice with time

SOURCE: Ref. zh. Geofizika, Abs. 12V328

REF SOURCE: Tr. koordinats. soveshchaniy po gidrotekhn., vyp. 23, 1965, 89-99

TOPIC TAGS: glaciology, ice strength, dynamometer, ice rheology, elasticity, rheologic property, ice, plastic deformation, plastic strength

ABSTRACT: A new method of determining the rheological properties of ice using a dynamometric device is examined. The purpose of the method is to accelerate and simplify testing procedures. The test is conducted by measuring the initial load applied to the specimen from the tension on an elastic dynamometer. The stress transmitted to the sample through the dynamometer, produces in the sample creep deformation which, in turn, causes the dynamometer to relax and reduce the stress. The reduction of stress will continue, under any given stress, until the sample's deformation achieves stabilization, i.e., until a state of equilibrium is attained between the load applied to the sample through the dynamometer and the

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UDC: 551, 32:53

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ACC NR: AR7004111

internal resistance of the ice. If the initial strain applied to the sample is approximately equal to the assumed-instantaneous strength, then the stabilization of deformation will correspond to the limiting equilibrium. Since ice does not have stress-rupture strength, a nominative value of relative deformation for a specific length of time may be regarded as the deformation stabilization. Dynamometer testing may be regarded as creep tests with stress varying with time; changes in stress and deformation are interdependent. The proposed method is recommended for conducting tests under different loads (compression, rupture, shear). In conclusion, data obtained in testing samples of polycrystalline glacier and lacustrine ice (Mirnyy, Antarctica), using the dynamometer, are presented. A bibliography of 5 titles is included. G. Deyev. [Translation of abstract]

SUB CODE: 08/

[SP]

Card 2/2

KHANDOV, Zosima Aleksandrovich; YERMAKOV, Vasiliy Fedorovich;
BOTKIN, P.P., kand. tekhn. nauk, retsenzent; AL'IMAN,
I.R., inzh., retsenzent; ZAKHARENKO, B.A., nauchn. red.;
VASIL'YEVA, N.N., red.; KRYAKOVA, D.:., tekhn. red.

[Marine diesel engine operations with a two-stage fuel feed] Rabota sudovogo dizelia s dvukhfaznoi podachei toplivm. Leningrad, Sudpromgiz, 1963. 82 p. (MINA 16:12) (Marine diesel engines)

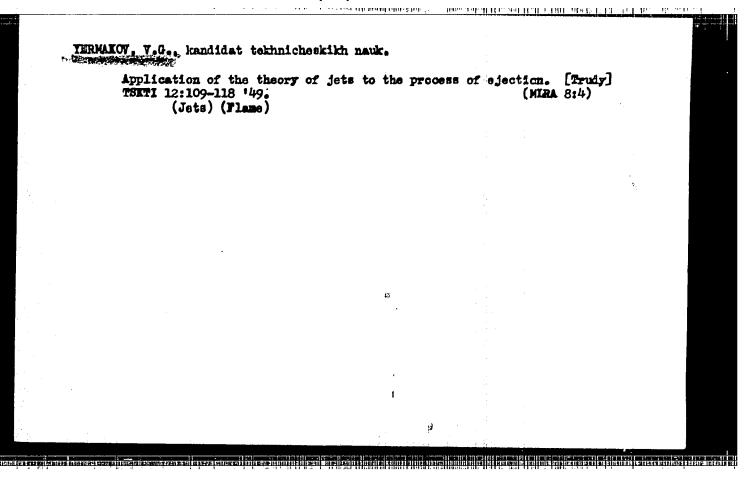
ODINTSOV, M.M., doktor geol.-min. nauk, otv. red.; PAL'SHIN, G.B., kand. geol.-min. nauk, red.; LOGACHEV, N.A., red.; PINNEKER, Ye.V., red.; GRECHISHCHEV, Ye.K., kand. tekhn. nauk, red.; ASTRAKHANTSEV, V.I., red.; VOLOGODSKIY, G.P., red.; KUKUSHKIN, I.P., red.; FEDOROV, I.P., red.; TIZDEL', R.R., red.; SEDOVA, N.G., red.; YERMAKOV, V.F., red.; ASTAF'YEVA, G.A., tekhn. red.; POLITAKOVA, T.V., tekhn. red.

[Bratsk Reservoir; engineering geology of the territory]
Bratskoe vodokhranilishche; inzhenernaia geologiia territorii.
Moskva, Izd-vo AN SSSR, 1963. 274 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut zemnoy kory.

(Bratsk Reservoir region--Engineering geology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"



BARENKO, Kh.L., kand.tekhn.nauk; YERMAKOV, V.G.

Testing of the blading of a steam turbine with counterpressure.
Energomashinostroenie 7 no.8:12-15 ag '61. (MIRA 14:10)

(Steam turbines—Blades)

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PIS'MEN, M.K.; YERMAKOV, V.G.; BELYANIN, Yu.I.; YAROSLAV, T.Ye.

Experimental pyrolysis of mazut and shale tar. Gaz. prom. 6 no.11:
18-22 '61. (MIRA 15:1)

(Pyrolysis) (Mazut)

SOV/81-59+5-16825

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 5, p 455 (USSR)

AUTHOR:

Yermakov, V.G. a strategic comments which the strategic and a

TITLE:

The Production of Industrial Gases by the Gasification Method of Lean Fuels With Removal of Slags in the Liquid State

PERIODICAL: V sb.: Gazifik. tverdogo topliva. Moscow, Gostoptekhizdat, 1957, pp 122 - 126; V sb.: Khim. pererabotka topliva. Moscow, AS USSR, 1957, pp 400 - 407

ABSTRACT:

The results are given of the gasification of Silesia coal semicoke in a gas generator for the gasification of lump fuel with the discharge of slag in liquid form. Vapor-oxygen (VO) and carbon dioxide-oxygen blowing was used. When using VO blowing a gas is obtained with a total CO and H₂ content of up to 97%, whereby the gasification of the 10 - 50 mm fractions in the fuel is possible. The use of carbon attains the same value as it does

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

sov/81-59-5-16825

The Production of Industrial Gases by the Gasification Method of Lean Fuels With Removal of Slags in the Liquid State

in gasification with discharge of solid slag, but the specific expenditure of vapor for obtaining 1 $\rm nm^3$ (CO+H₂), applying the VO-blowing, is 4 times less.



B. Englin

Card 2/2

PIS'MEN, M.K.; TERMANUL BELYANIN, Yu.I.

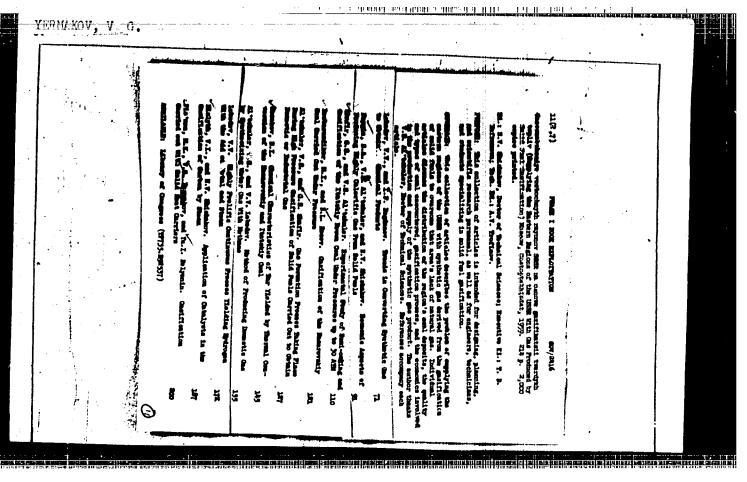
Gasification of oil shale with a solid heat transfer agent.

Gas. prom. no.9:21-27 S *58.

(Gas manufacture and works) (011 shales)

(Gas manufacture and works)

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YERMAKOV, V.I.; ZAGORETS, F.A.; SMIRNOV, N.I.

Study of solutions by high-frequency methods. Part 1. Zhur. fiz. khim. 36 no.6:1180-1185 Je 62 (MIRA 17:7)

1. Moskovskiy khimiko-tekhnologicheskiy institut imend Mendeleyeva.

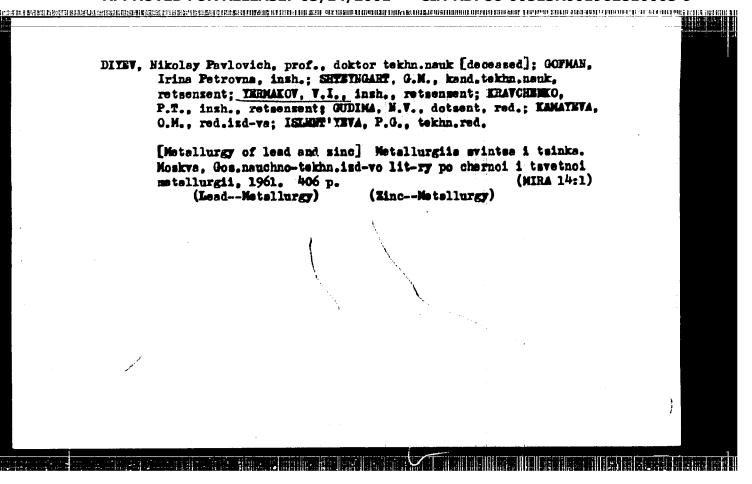
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YERMAKOV, V. I.

Dissertation: "Methods for Acclimatisation of Sequois in the Forests of the South Crimes." 29/11/50

Moscow Forestry Inst

SO Vecheryaya Mcekva
Sum 71

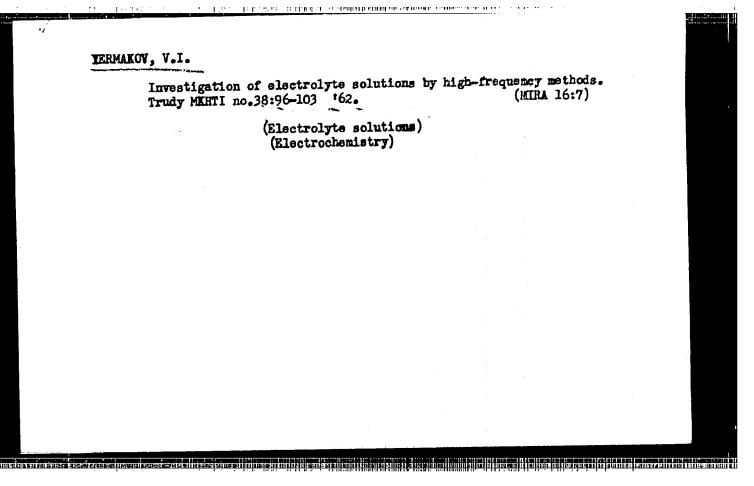


VERNAKOV, V.I. (Moscov) Universal instrument for the high-frequency physicochemical analysis and titration of solutions. Shur. fiz. khim. 34 no.12:2838-2840

D 160. (MIRA 14:1)

1. Khimiko-tekhnologicheskiy institut imeni D.M. Mendeleyeva, Moskva.
(Titration) (Chemical apparatus)

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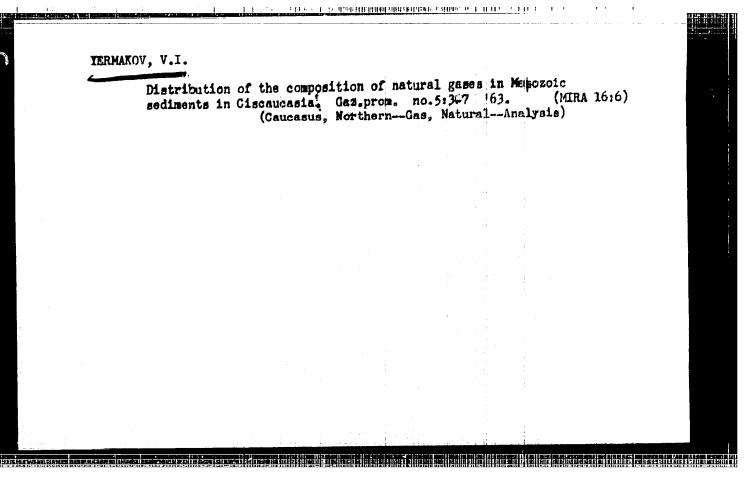


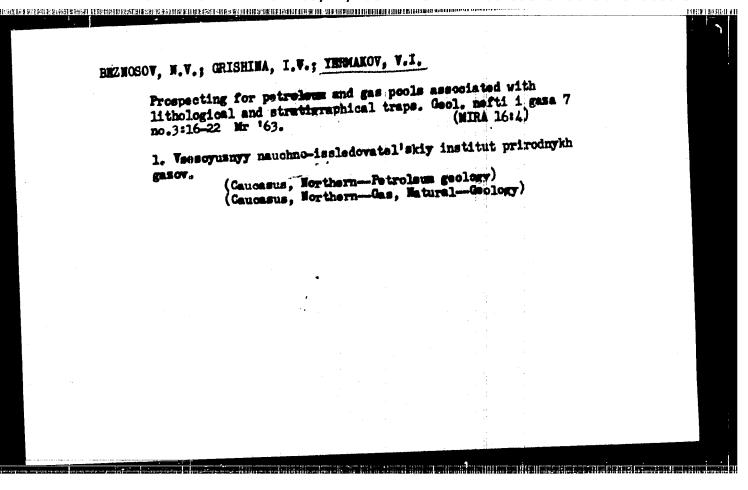
YERMAKOV, V.I.; ZAGORETS, P.A.

Investigation of solutions by high frequency methods. Part 3: Characteristic curves of electrical measuring cells and relaxation phenomena in solutions. Zhur.fiz.khim. 36 no.8:1632-1638 Ag '62. (MIRA 15:8)

1. Khimiko-tekhnologicheskiy institut imeni D.T. Mendeleyeva. (Electrolyte solutions)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"





AUTHORS: Yermakov, V. I., Smirnov, N. I., and Zagorets, R. A. (Moscow)

TITLE: Study of solutions by high-frequency methods. Dispersion effects in electrolyte solutions in a wide frequency range of the electromagnetic field

PERIODICAL: Zhurnal fizicheskoy khimil, v. 37, no. 3, 1965, 544-552

TEXT: A non-resonance circuit (Fig. 4) is suggested for measuring the relaxation effects in electrolytes. Measurements were conducted by using the equations U₂ = UkY_{br}/Y_{sol} or Y_{sol} = UkU_{br}/U_j, whare k = k₂k₁/k₁k₁T,

U = voltage, Y = conductivity, the index b being related to the resistance box of the bridge and sol to the electrolyte solution. Measurements with frequencies up to 200 Mo/sec yielded a staywise course of the curve electroconductivity versus concentration for KCL, Mg, 1, and AlCl₃. This is explained by steric hindrance effects on reformation of the hydrate complexes with a certain lifetime. Shortlived hydrates are found at Card 1/2

L 12772-63 EPF(c)/ENT(1)/EDS AFFTC/ASD/ESD-3 Pr--/F1-- OG/IJF(C)/JI'(IJF)
ACCESSION NR: AP3002946 55/0076/63/C:7/005/1413/1415

AU/JHOR: Zagorets, P. A.; Yermakov, V. I.; Grunsu, A. P.

eclio spparatus

SOURCE: Zhurnel fizicheskoy khimii, v. 37, no. 6, 1963, 1413-1415

TOFIC TAGS: high-frequency method, nuclear magnetic resonance method spin echo apparatus, spin-lattice relaxation time, FeCl sub 3 - NH sub 4 F

ABSTRACT: A method has been proposed for the relative determination of the

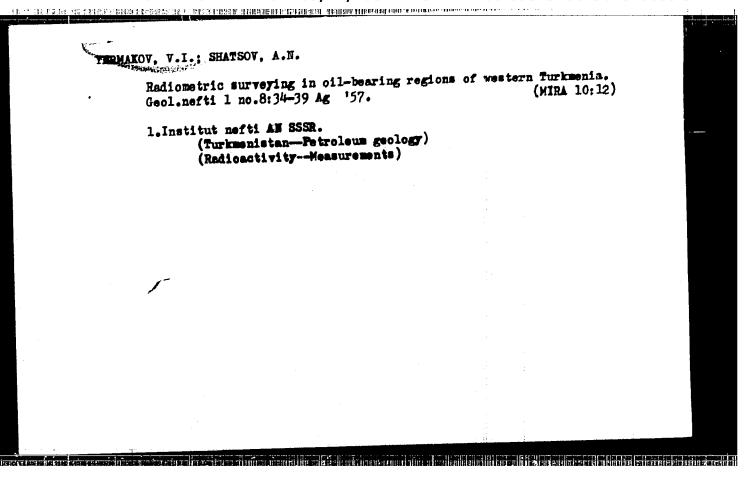
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YERMAKOV, V.I.; NEMCHENKO, N.N.

Possibility of excluding oil- and gas-bearing zones on the basis of data of hydrocarbon analysis. Dokl. AN SSSR 155 nc.1:85-87 Mr '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza. Fredstavleno akademikom A.A.Trofimukom.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"



TEMAKOV, V.I.; MASLOV, V.H.; STOLYAROV, O.G.

Application of high-frequency analysis to celloid chemical investigations. Kell.skur. 19 no.2:198-200 Mr-Ap '57'.

(MEA 10:5)

1.Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendelayeva.

(Celloids) (Electrochemical analysis)

SOV/7-58-7-4/13 Alekseyev, F. A., Yermakov, V. J., Filanov, V. A. 21(8)

Concerning the Content of Radioactive Elements Found in waters AUTHORS: of Oil Field Deposits (K voprosu o soderzhanii radioelementov TITLE:

v vodakh neftyanykh mestorozhdeniy)

Geokhimiya, 1958, Nr 7, pp 642-649 (USSR) PERIODICAL:

The content of radium and uranium found in waters of oil field deposits was examined: radium was determined radio-chemically (Ref 3); the content of radon was measured by means of the ABSTRACT: electrometer the the amount of uranium ascertained by

luminescence. The research was conducted at the Laboratoriya yadernoy geofiziki i geologii Instituta nefti AN SSSR (Laboratory for Nuclear Geophysics of the Petroleum Institute AS USSR). Waters from wells as well as surface water from oil fields of West Turkmenia (Tables 1-3) were examined. Damples were taken from the petrol and mineral gas province of Emba (Kazakhstan) (Tables 4,5) and from oil fields in the Cis7

Uralian region (Tables 6-8). Independent of the type of deposit, the radium content ranges from 10-10 g/1, seldom inder

10-11 g/1. The uranium content seldom surmounts 1.0 . 10-7 g/1. Card 1/2

SOV/7-58-7-4 $^{\circ}$ 3 Concerning the Content of Radioactive Elements Found in Waters of Girlield Deposits

The largest quantities of radium are to be found in waters of the calcium chloride type. Uranium is concentrated in waters of the sodium bicarbonate type. Radium is found in largest amounts in the marginal zones of the oil field deposits. There are 8 tables and 12 references, 11 of which are Soviet.

ASSOCIATION: Institut nefti AN SSSR, Moskva (Petroleum Institute of the

Academy of Sciences, USSR, Moscow)

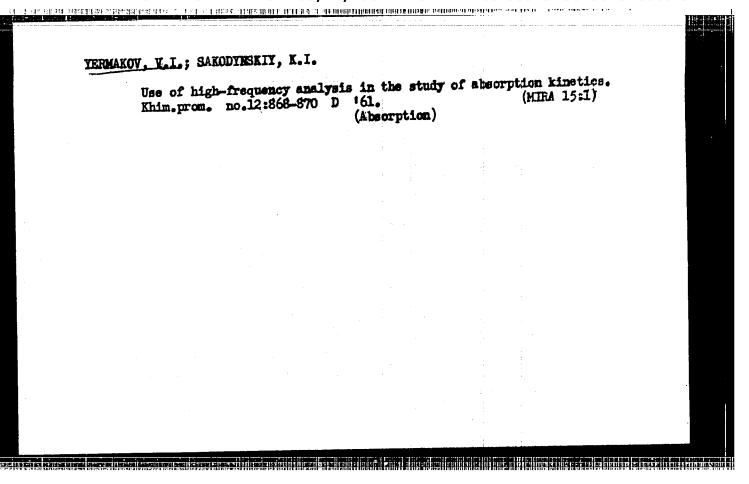
SUBMITTED: July 7, 1958

Card 2/2

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Apparatus for determining the electric conductivity and concentration of solutions. Zav.lab. 26 no.2:229-230 '60. (MRA 13:5) 1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva. (Solution (Chemistry)) (Blectric conductivity)



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ZAGORETS, P. A.; SMIRMOV, N. I.; YERMAKOV, V. I.

Investigation of solutions by high-frequency methods. Fart 4:
Frequency of the measuring generator as dependent on the conductance and dielectric constant of electrolyte solutions.

Zhur. fiz. khim. 36 no.12:2743-2748 D '62.

(MIRA 16:1)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendelsysva.

(Electrolyte solutions)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV. V. J.; SMIRNOV, N. I.; 2AGORETS, N. A.

Study of solutions by high-frequency methods. Fart 6. Zhur.
fiz. khim. 37 no. 3:544-552 Mr 163. (MIRI 17:5)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva,
Moskva.

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P.

Study of solutions by high-frequency methods. Part 8: Structure of Co and Cu 2 solvates in methanol solutions. Zhur.fiz.khim. 37 no.10:2155-2162 0 '63. (MIRA 17:2)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

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SHILOV, Yu.M.; DARAGAN, V.L.; YEEMAKOV, V.I.

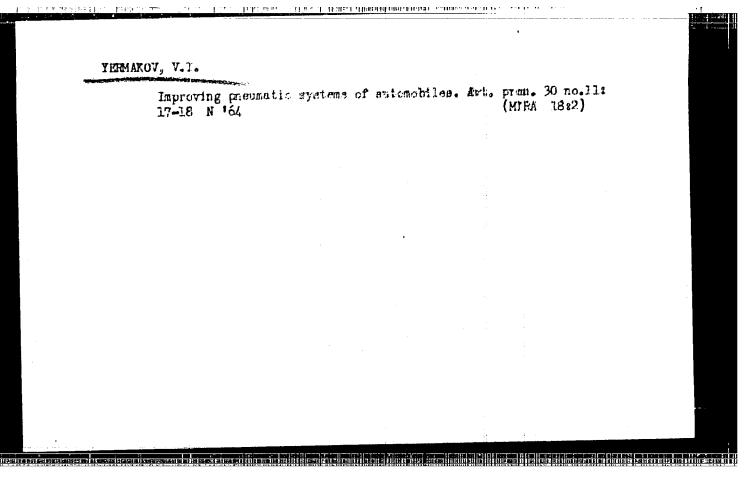
Possibility of determining the moisture of the granular substance for tablets by measuring its dielectric permeability.

Aptech. delo 12 no.3:22-24 My-Je'63 (NIRA 17:2)

1. Sentral nyy aptechnyy nauchno-isaledovatel'skiy institut
i Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

Study of electrolyte solutions by high frequency methods. Part 5.
Zhur.fiz.khim. 37 no.1:184-186 Ja '63. (MIRA 17:3)

1. Khimiko-tekhnologicheskiy institut imeni Mendeleyeva.



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ACCESSION NR: AP4034592

S/0076/64/038/004/1030/1031

AUTHORS: Yermakov, V.I.; Zagorets, P.A.; Grunau, A.P.

TTIE: A device for thermostating specimens in NMR experiments.

SOURCE: Zhurnal fizicheskoy khimii, V.38, no.4, 1964, 1030-1031

TOPIC TAGS: thermoregulator, nuclear magnetic resonance, control circuit, temperature control, gas heat exchanger, spin echo

ABSTRACT: The article describes a device, which uses gaseous heat exchangers, for thermostating specimens in experiments with spin echo. The temperature of the investigated solutions was maintained at 40 to -30C as desired. Nitrogen gas was used as a heat exchanger. Its flow was regulated by changing the current through the heater in a Dewar flask with liquid nitrogen. To minimize the consumption of nitrogen and to achieve lower temperatures, the measuring head with the specimen was separated from the poles of the electromagnet by an air gap. In addition, the poles of the electromagnet are cooled by spiral tubes, placed around the poles, through which water

ACCESSION NR: AP4034592

is passed. The desired temperature level with accuracy of 0.01 degis is maintained constant automatically by means of a device consisting of a termister bridge and a regulating potentiometer, FSR-1-0.1.

Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendeleyeva (Moscow Institute of Chemical Technology)

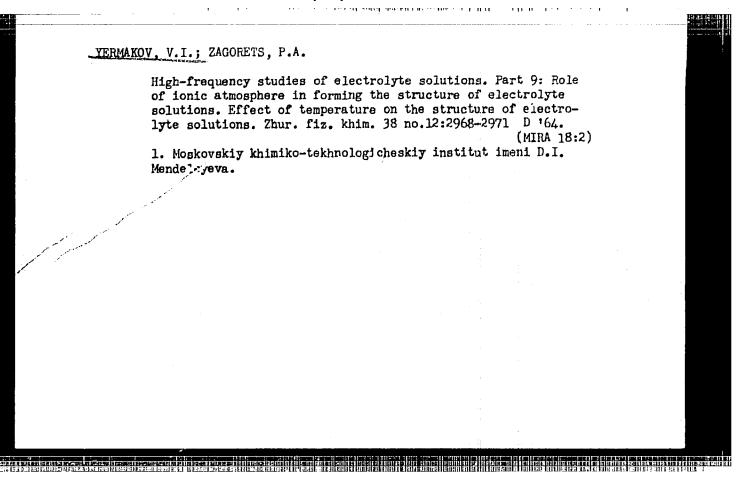
SUBMITTED: O6 Jul63

SUB CODE: NP, TD: NR REF SOV: O01 OTHER: O01

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P.

Study of solutions by high frequency methods and by the nuclear magnetic resonance method. Part 11. Zhur. fiz. khim. 39 no.2: 456-458 F *65. /MIRA 18:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.



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YERMAKOV, V.I.; MARTYUSHIN, I.G.

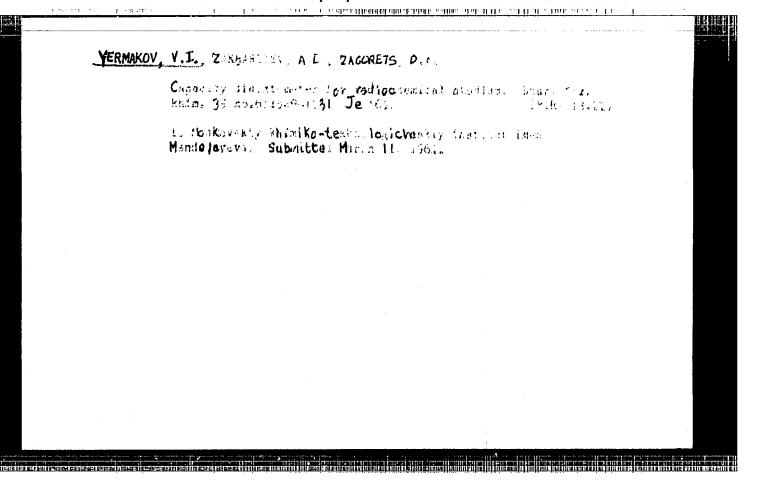
Investigating the gas content of a bubbling layer for processes with solid phase participation. Khim. prom. 42 no.9:701-703 S 165. (MIRA 18:9)

ः । १८८१ - १८६५ वर्षाः स्टब्स्य <mark>राज्यानाम वामाने मेन सम्बद्धाः आधान्य ने त्रातास्य स्वतिस्य स्थानस्य स्तिति । व</mark>

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P.

Study of solutions by the high-frequency methods and by the nuclear magnetic resonance method. Part 12. Zhur.fiz,khim. 39 no.7:1552-1555 Jl 165. (MIRA 18:8)

1. Khimiko-tekhnologicheskiy institut imeni I).I.Mendeleyeva.



SOURCE CODE: UR/0115/66/000/012/0051/0053 ACC NR. AP7002707 (A)

AUTHOR: Yermakov, V. I.; Zemskov, Ye. M.; Sachkov, V. I.

ORG: none

TITLE: Some relations characterizing the beam path in a cesium frequency standard

SOURCE: Izmeritel'naya tekhnika, no. 12, 1966, 51-53

TOPIC TAGS: frequency standard, cesium frequency standard, atomic clock

ABSTRACT: Early authors' experiments with the cesium atomic-beam frequency standard involved a collimating diaphragm and were found to be unwieldy. Hence, further experiments were conducted without collimators, their functions being performed by beam slits cut in the resonators. Formulas are deduced which impose certain conditions on the widths of the slits in the resonators, source, and detector and also on the field gradient of the deflecting magnets. These conditions make possible successful operation of the frequency standard not equipped with the collimating diaphragm and having symmetrical beam deflection. These relations are derived: detector slit width

$$b_{n} + \frac{l_{0}}{l_{1} + l_{3} + l_{3} + l_{4}} b_{p} < \frac{4M_{\text{slip}} \nabla B}{3m \alpha^{2}} l_{s} \left(\frac{l_{s}}{2} + l_{s}\right)$$

 $b_{\partial}=2b_{\mathbf{m}}+b_{\mathbf{m}}$.

$$b_{p} < \left[\frac{4 M_{0} \log \nabla B}{3m \alpha^{0}} l_{0} \left(\frac{l_{1}}{2} : l_{1} \right) - b_{n} \right] \frac{l_{1} + l_{0} + l_{1} + l_{2}}{l_{0}},$$

Card 1/2

UDC: 621.373.(083.76):546.36

ACC NR: AP7002707

The beam can be limited either by the first (from the source) or by the second resonator. If $b_n + b_p < \frac{a l_1}{b^2} (2 l_1 + l_2)$, the first resonator places the limitation; if $b_n + b_p > \frac{a l_2}{b^2} (2 l_1 + l_2)$, the scond. Here, b_n - source slit width and b_p - resonator slit width. Actually, both resonator slits act simultaneously as the beam contains atoms that have different speeds. Orig. art. has: 2 figures and 24 formulas.

SUB CODE: 09, 20 / SUBM DATE: 21Jul66 / ORIG REF: 000 / OTH REF: 001

SHILOV, Yu.M., kand. farm. nauk; DARAGAN, V.L.; YERMAKOV, V.I., kand. khim. nauk

High-frequency device for the determination of moisture in the determination in the determination of moisture in the

High-frequency device for the determination of moisture in samples of loose preparations. Sbor. nauch. trud. TSANII 6: 127-133 *64.

1. TSentral'nyy aptechnyy nauchno-issledovatel'skiy institut (for Shilov, Daragan). 2. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva (for Yermakov).

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P. (Moskva)

Study of solutiond by high-frequency methods and by the method of nuclear magnetic resonance. Part 10. Zhur. fiz. khim. 39 no. 1:9-12 Ja *65 (MIRÆ 19:1)

1. Khimiko-tekhnicheskiy institut imeni D.I. Mendeleyeva, Moskva. Submitted June 26, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V.I.

Relation of the composition of Lower Cretaceous natural gases in the Northern Caucasus to the metamorphosing degree of formation waters. Dokl. AN SSSR 165 no.4:923-926 (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza. Submitted March 16, 1965.

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YERMAKOV, V.I.

Zonal distribution of diluted games of the Lower Cretaceous aquiferous complex of Ciscaucasin. Dokl. AN SSSR 161 no.2: 447-450 Mr 165. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel skiy institut prirodnogo gaza. Submitted June 13, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

VASIL'YEV, Ye.A., red.; YERMAKOV, V.I., red.; KALUZHSKIY, N.A., red.; KOMSHILOV, N.F., red.; MATYUSHKINA, A.P., red.; KIKROV, G.V., red.; RAYEVSKAYA, V.S., red.; SHCHEMELEVA, A.V., red.

[Materials of the Conference on the Overall Use of Wood]
Materialy Konferentsii po kompleksnomu ispol'zovaniiu
drevesiny. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1964. 306 p.

[MIRA 18:1]

1. Konferentsiya po kompleksnomu ispol'zovaniyu drevesiny, Petrozavodsk, 1961.

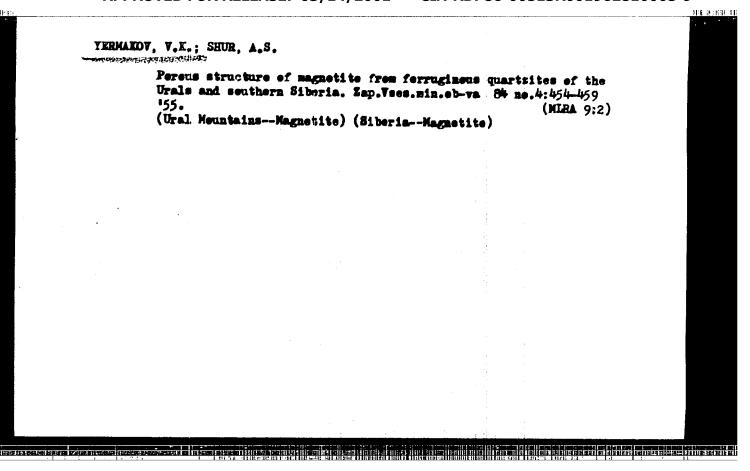
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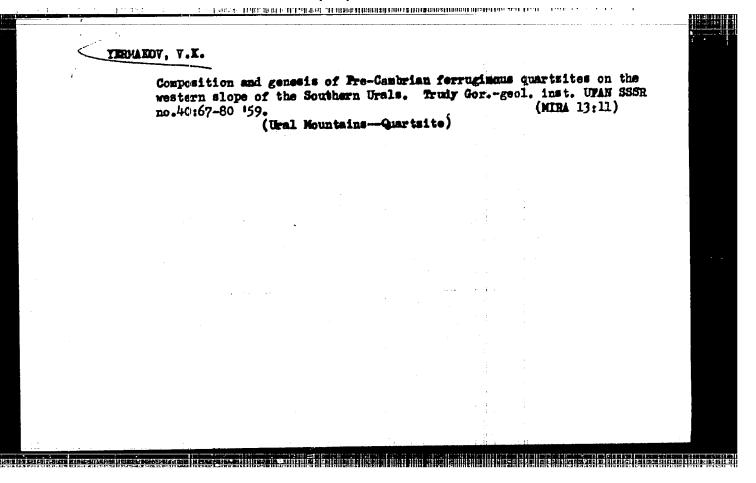
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- 1. MUSTEL', P. I.; YERMAKOV. V. K. EDG.; HINAS'YAN, V. P., Eng.; DZASOKHOV, A. KH.
- 2. USSR (600)
- 4. Mine ventilation
- 7. "Mine ventilation." Reviewed by P. I, Mustel', V. K., Yermakov, V. P., Eng., Minas'yan, Gor. zhur. no. 11, 1952

9. Monthly List of Russian Accessions, Library of Congress, 1953, Unclassified.

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YERECKOV, V. II. --

"The Legal-Medical Significance of Parasitic Invasions." Cand Med Sci, First Moscow Order of Lenin Medical Inst, 1 Nov 54, (VM, 20 Oct 54)

Survey of Scientific and Technical Dissortations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

<u>१९८८ - १९६८ : १८८८ - १८८५ १ १६६६ असम्बद्धाः भन्तामा अन्य समात्राम सम्बद्धाः समावद्धाः स्थापन्ताम अन्यस्य स्थापन्ताम १८८५ । १८८८ - १</u>

"The Effect of Neuroplegic Mixtures on the Ability of Animals to Withstand Oxygen Storvation and Burn Shock," from the book These of the Reports of the Scientific Session of the Military Medical Academy im. s. M. Kirov, Tezisy Dokladov Rauchnoy Sessi, 29 Oct-2 New 1956, Leningrad.

TERMAKOV, V.M., kand.med.nauk

Fatal outcome following invasion of the upper respiratory tract by ascarids. Vest.oto. -rin. 20 no.3:74-76 My-Je '58 (MIRA 11:6)

1. Is kafedry sudenboy meditsiny (sav. - prof. V.F. Chervakov)

I Moskovskogo meditsinskogo institute.

(ASOARIDS

upper resp. tract (Rus))

(RESPIRATORY TRACT, disascariasis of upper tract (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V. M.

"An Approach to the Problem of Natural Focalization of Trichinosis."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

First Moscow Medical Institute

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V.M., kand.med.nauk Cysticercosis in children. Pediatriia 38 no.10264-68 0 '60. (MIRA 13:11) 1. Iz kafedry obshchey biologii (mw. - zhlen-korrespandent MW SSSR prof. F.F. Talyzin) i kafedry sudebnoy meditsiny (mw. zasluzhennyy deyatel' nauki RSFSR prof. V.F. Chiavakov) I Moskovskogo erdena Lenina meditsinskogo instituta imeni I.M. Sechenova (dir. - prof. Kovanov, V.V.) (CYSTICERCOSIS)

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YERMAKOV, V.M.; KUKLINA, N.V.

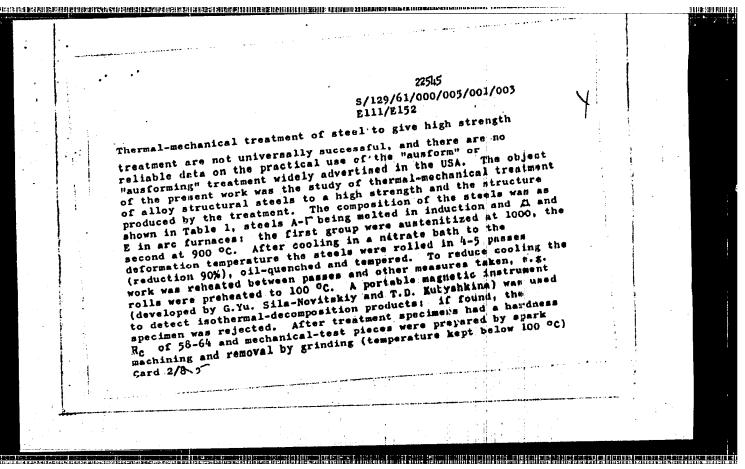
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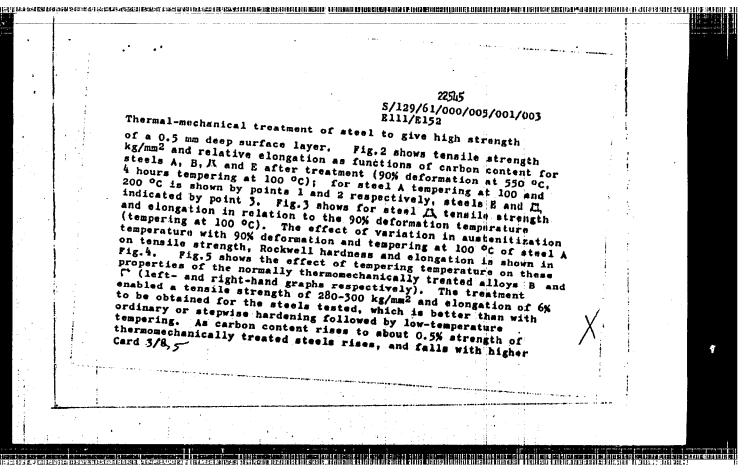
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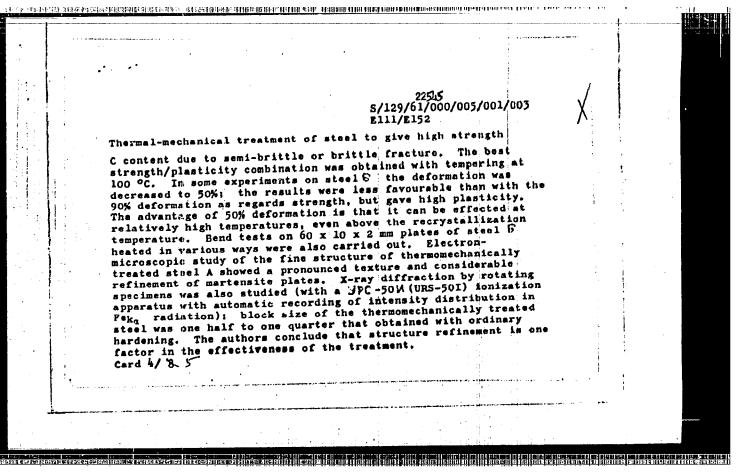
1. Glavnyy agronom Atkarskogo proizvodstvennogo upravleniya, Saratovskoy oblasti 'for Yermakov). 2. Nachal'nik otryada po zashchite rasteniy Atkarskogo proizvodstvennogo upravleniya, Saratovskoy oblasti (for Kuklina).

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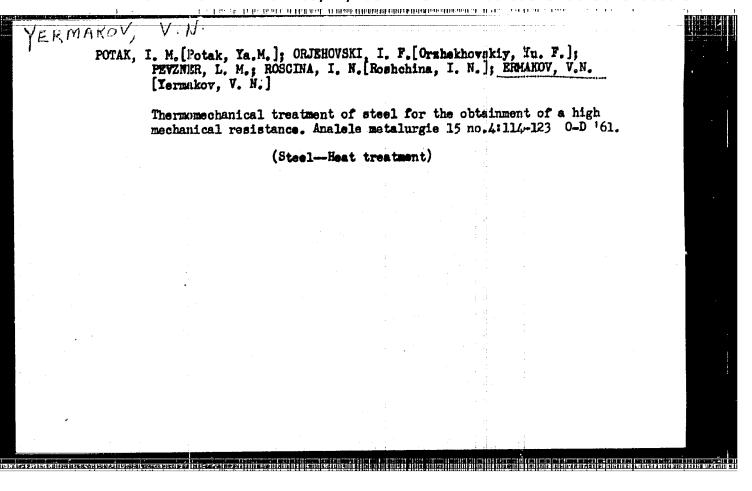
1-1710 - - 10-11, 1913, 1934 E111/E152 Totak, Ya.E., Candidate of Technical Sciences, Orzhokhovskiy, Yu.F., Candidate of Technical Sciences, Fevzner, L.M., Candidate of Technical Sciences, AUTIGAS: Roshchina, I.N., Engineer, and Yermakov, V.N., Engineer. Thermal-mechanical treatment of steel to give high TITLE: strength PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov. 1961, No.5. pp. 2-9 The authors point out that recently such attention has TEXT: been given to combined mechanical and head treatment, by two possible methods. In one method the steel is rapidly deformed in possible methods. In one method the steel is rapidly deformed in the austenite-stable temperature range and quenched. While this improves the steel in many ways it fails to increase tensile improves the steel in many ways it fails to increase tensile interest. In the second method the steel is deformed at a temperature between the mentantial point. temperature between the martensite point Md and the recrystallization temperature, and quenched. This gives increased strength with satisfactory plasticity. Results of thermal-mechanical Card 1/8.5

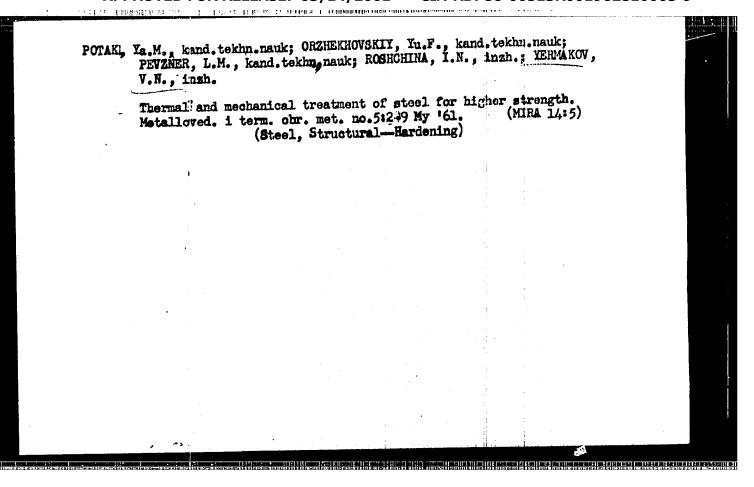






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	va G. Filippova,	
	Thermal-mechanical treatment of steel to give high strength Thermal-mechanical treatment of steel to give high strength V.V. Chugunov, K.S. Medvedeva, G.G. Solov'yeva, Ye.G. Filippova, V.V. Chugunov, K.S. Medvedeva, G.G. Solov'yeva, Ye.G. Filippova, T.D. Kubyshkina, V.V. Bol'shakova and Yu.N. 'Kabanov participated T.D. Kubyshkina, V.V. Bol'shakova and 21 references; 13 Soviet and T.D. Kubyshkina, V.V. Bol'shakova and 21 references; 13 Soviet and	•
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	Ref. 11: D.J. Schmatz, J.C. Shyne, wastin, v.53, 1960.	!
	Ref. 8: E.B. Address, V.F. Zackay, P. Zackay, Ref. 11: D.J. Schmatz, J.C. Shyne, V.F. Zackay, P. Zackay, P. Zackay, P. Zackay, P. Zackay, P. Zackay, P. Zackay, D.J. Schmatz, "TASL", V.73, 1960.	
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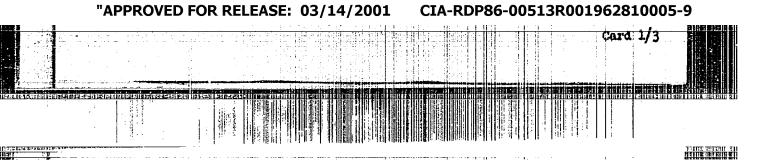


Hermillow, V.N.

AD Nr. 977-2 27 May

AUSFORMING OF STRUCTURAL STEELS (USSR)

Yermakov, V. V. V. Chugunov, and Yu. F. Orzheki ovskiy. Metallovedeniye i termicheskaya obrabotka metallov, no. 4, Apr. 1961, 25-29.



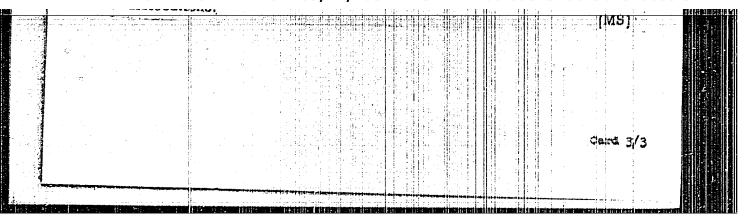
and 12 and 13, steel 4 renelted in a consumble-electrode vacuum arc furnace. The ausforming consisted of austentitzing at 1000 4 salipeter bath or furnace cooling to 500°C, rolling in 5 to 1 passes with historial reduction of 90%, and oil quenching. This was followed by temperily at 100, 200, 300, or 400°C for 3 hrs. The specimens were encaded in XLEHEP stainless steel envelopes; rolls were preheated to 80-109 C. In all steel the best combination of strength and ductility -- tensile strength d, of all -290 kg/mrn2 and elongation of 6 = 6 to 9% -- was obtained by termieling at 100°C. Remelted steels generally were found to have highly strength and ductility. After tempering at 100°C the induction-metted stilled a yield strength $\sigma_{0.2}$ of 200. 5 kg/mm², $\sigma_{0} = 268.5 \text{ kg/mm}^{2}$ $\delta = 1.6\%$. In remelted afeels (except for steels vacuum to cheltal na magnetic field, db varied from 280 to 290 kg/mm2, Co. 2 from 180 to 210 kg/mm², and 6 from 6 to 10%. Steels conventionally thurdened and tempered at 100°C in many cases showed partial brittle failure. Short-time Cart 12/3

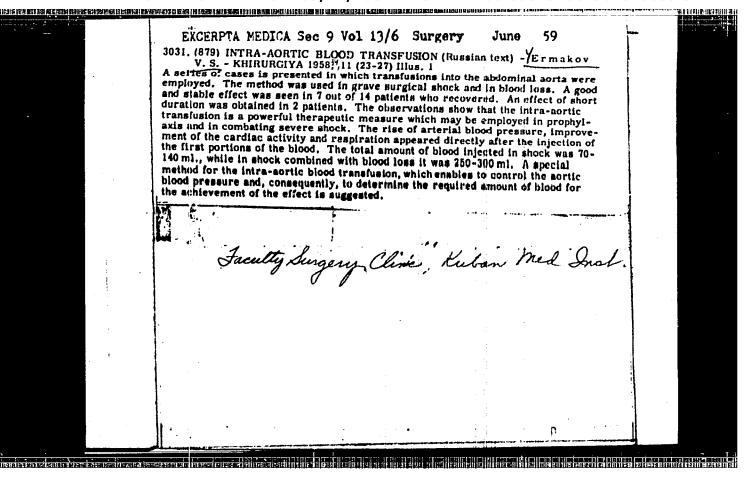
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AUSFORMING OF STRUCTURAL STEELS [Const. d]

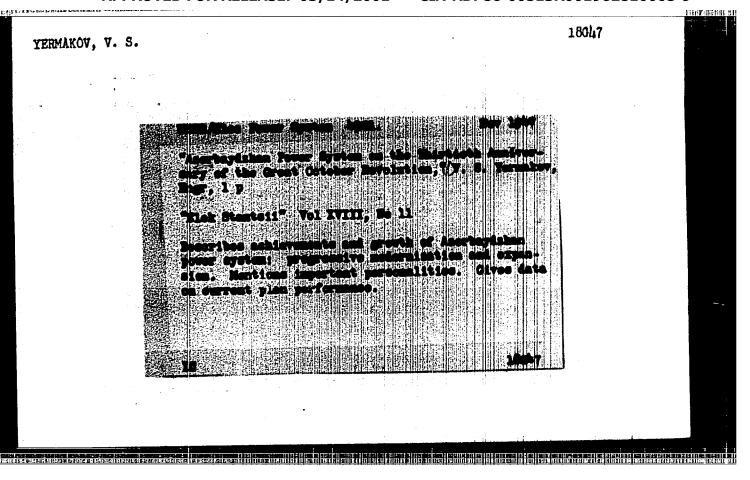
8/145/63/010/004/006/014

tests at elevated temperature showed that ausformed step with 0. 28% V is more heat resistant at temperatures up to 400-500°C thankstep without V. Ausforming results in a considerable anticommunication.

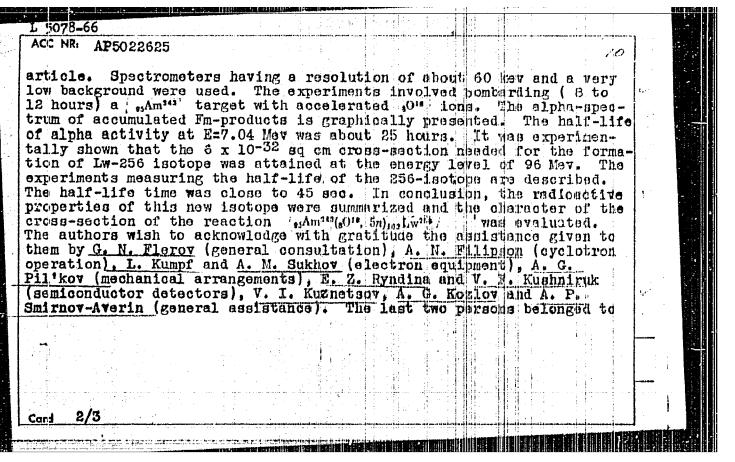




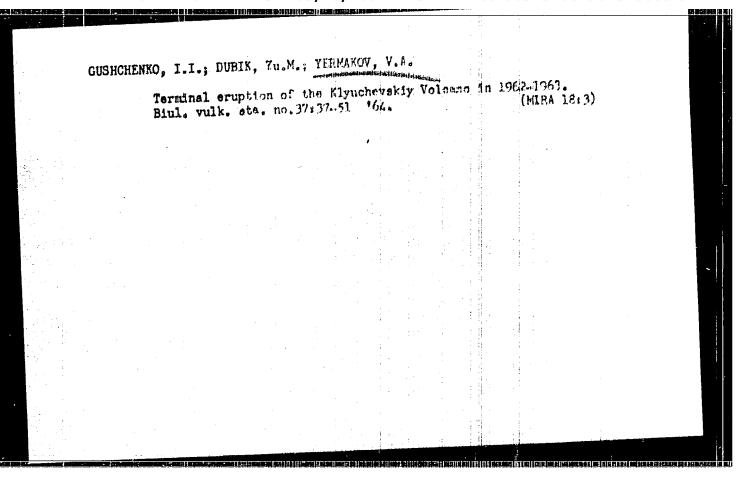
YERMAKOV, V. S., Cand Med Sci -- (diss) "Discontinuous and momentary intra-arterial blood transfusion." Saratov, 1960. 11 pp; (Ministry of Public Health RSFSR, Saratov State Medical Inst); 200 copies; price not given; (KL, 26-60, 143)

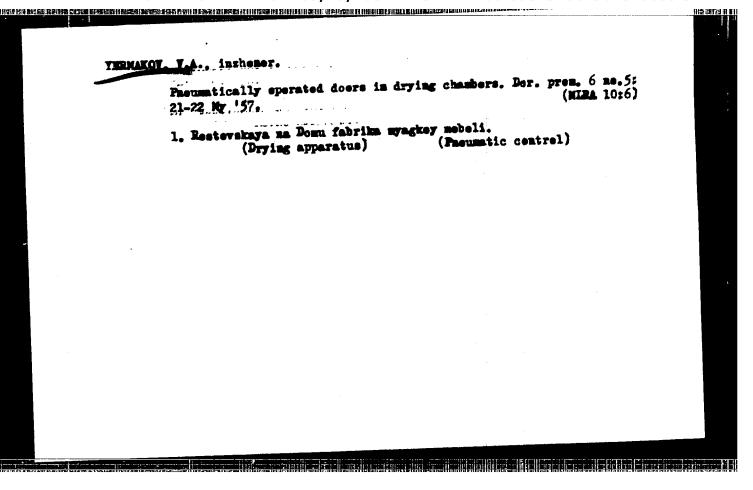


EPA(a)-2/EWT(m)/EPF(n)-2/EWP(t)/EHP(b) till(c) _JD/DM ACC NR. AP5022625 UR/0089/65/010/008/0109/0113 539.183.2 AUTHOR: Donets, Ye. D.; Shchegolev, V. A.; Yermaking, Ma. A. Synthesis of the isotope of mass 256 of the 10%-rd element TITLE: (lawrencium) Atomnaya energiya, v. 18, no. 2, 1965, 109-113 SOURCE: TOPIC TAGS: lawrencium, transuranium elements ABSTRACT: After a trief review of the discovery, in 1961, of lawrencium of an isotope mass 257, the authors present the results of their own identification of a new isotope of mass 256 of the same element. The experiments were conducted at the Joint Institute for Nuclear Research, in Dubna, by using the interior beam of multiply charged ions of the 3-meter cyclotron. The new isotope was synthetized from the nuclear reaction of *5Am215(aO15,5m) toxLw245 The isotope was identified by the 1000 Fmiii isotope. This end product was obtained as a result of a Tio My 200 electron capture and a 101 Lwise alpha decay. The new 256-isotope was identified by the same method which had been used by the authors for the identification of the isotope 256 of the 102-nd element (Atomnaya Energiya, 16, 195 (1964)). The arrangement used for the synthesis of and the build-up of 100 Fm is schematically illustrated in the Card 1/3



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YERMAKOV, V.A. Prospecting for new petroleum fields in Krasnodar Territory. Geol. nefti i gaza 5 no.6:16-20 Je '61. (MIRA 14:6) 1. Treat Krasnodarnefterazvedka. (Krasnodar Territory--Petroleum geology)

YEGOYAN, V.L.; YERMAKOV, V.A.; KIYKO, K.I. Discovery of upper Triassic marine deposits in the Teysk-Berezanskiy area of southwestern Ciscaucasia. Dokl.AN SSSR 138 no.46:1417-1420 (MIRA 14:6) Je '61.

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1. Upravleniye neftyanoy i gazovoy promyshlenmosti "Krasnodarneft"."

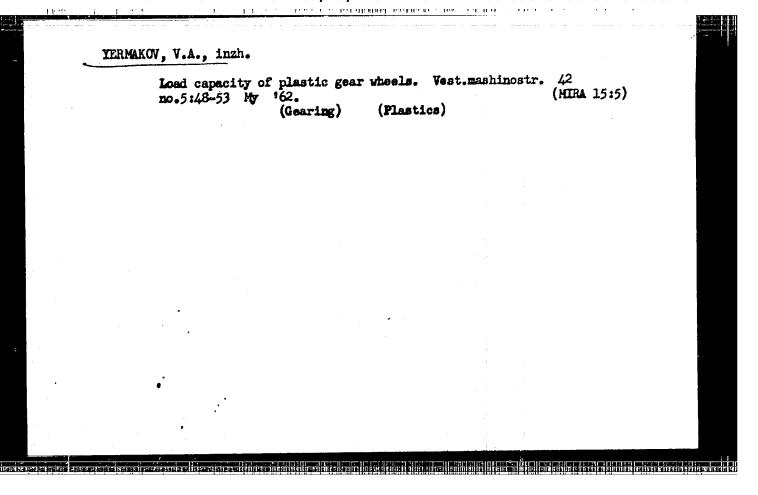
2. Predstavleno akademikom A. L. Yanshinym, (Yeysk region-Geology, Stratigraphic) (Beresanskiy region-Geology, Strätigraphic)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V.A.

New gas-condensate field in Krasnodar Territory. Geol.nefti 1 gaza 6 no.5:59-60 My '62. (MIRA 15:5)

1. Krasnodarskiy trest po neftyanoy geologicheskoy razvedke. (Krasnodar Territory—Condensate oil wells)



YEDIAKOV, V.A.

Recenstruction of drying chambers at the Rostov furniture plant.

Der.i lesokhim. prom. 3 no.4:20-21 Ap 154. (MERA 7:5)

1. Glavnyy inshener Rostovskoy n/D fabriki myagkoy mebeli.
(Rostov-Lumber--Drying) (Lumber--Drying-Rostov)

YERMAKOV, V.A.

Outlook for finding oil and gas in Ust'-Labinsk District, Krasnodar Territory. Neftegam. geol. i geofim. no.3:9-12 '63. (MIRA 16:8)

1. Krasnodarskiy trest po neftyancy geolegicheskoy razvedke.

ACCESSION NR: AP4020324 8/0089/64/016/003/0195/0207 AUTHOR: Donets, Ye. D.; Shchegolev, V. A.; Yermakov, V. A. TITLE: Synthesis of the isotope of element 102 with mass number 256 SOURCE: Atomnaya energiya, v. 16, no. 3, 1964, 195-207 TOPEC TAGS: element 102, mass number 256, nuclear reaction, transumsnium element, decay period, energy dependence, U sup 238 ABSTRACT: In the nuclear reaction y238 (Ne22, 4n)102256 (a-active isotope of ABSTRACT: In the nuclear reaction U-S (Ne-, 4n)102- (a-scrive isotope or element 102 with mass number 256) is synthesized. The registration and identification of the isotope is made according to the daughter isotope Fm²⁵². The measured half-lifeperiod of 102²⁵⁶ is about 8 sec. The energy dependence of the cross section for the formation of isotope 102²⁵⁶ in the reaction U²³⁸ / Ne²² is studied. Its maximum is in the area of 112 Mev. The cross section at the maximum reaches about 4.5 x 10⁻³² cm². The work was carried out in an internal

beam of the trimeter cyclotron of the nuclear reaction laboratory of the Joint Institute for Nuclear Research. "In conclusion, we are deeply grateful to

Card 1/2

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G. N. Flerov with whose accomplished. We also Filipson and A. S. Pasy neon ions for our exper	thank the subdivisi uk for providing so	on leaders Yu. Ts. many intensive bea	Oganesyan, A. N	ed	
ASSOCIATION: None				•	
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BRANDSHTETR, I.; VOLKOV, V.V.; YERMAKOV, V.A.; ZVAROVA, ".S.; KRZHIVANEK, M.; MALY, Ya.; SU KHUN-GUY [Su Hung-kubi]

Study of the products of reactions of heavy elements with multicharge ions. Part 2: Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by 016, 018, and Ne²² ions. Radiokhimiia 5 no. 6:706-711 '63. (MIRA 17:7)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

BRANDSHTETR, I.; WAN TUN-SEN; YERMAKOV, V.A.; ZVARA, I.; : VAROVA, T.S.; KNOBLOKH, V.; KRZHIVANEK, M.; MALY, Ya.; SU KHUN-GUM [Su Hung-kuei]

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Determination of the yield of some fragments in the fission of heavy nuclei induced by multicharge ions Part 1: Fission of Th²³² induced r 0¹⁸ and Ne²² ions. Radiokhimiia 5 no. 6: 715-720 '63. (MIRA 17:7)

	L 00037-66 EWT(m) DIAAP UR/0186/65/007/004/0453/D461 ACCESSION NR: AP5020306 LED. 178.6: 648,788.618,148 F. 448,788.6.488 F. 448,788.6.48.618
	AUTHOR: Dedov, V. B.; Volkov, V. V.; Gvozdev, B. A.; Yermakdv, V. A.; Lebedev, K.A. Razbitnoy, V. M.; Trukhlyayev, P. S.; Chuburkov, Tu. T.; Yulid Jav, U. B.
ļ	TITLE: Production of Pu-242 and Cm-242 from neutron-irradiated Am-241
. 1	SOURCE: Radiokhimiya, v. 7, no. 4, 1965, 453-461 TOPIC TAGS: plutonium, curium, americium, extraction, neutron irradiation
!	ABSTRACT: Irradiation of Am-242 with thermal neutrons produces Pu ²⁴² , Cm ²⁴² and Am ²⁴³ which are of great interest in a number of physical and radiochemical investigations. The synthesis scheme is as follows:
	ansm Am discon
	249 Am (a, y) 25 2 248 Am (a, y) 283 Am
	Card 1/2

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ACCESSION NR: AP5020306

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The thermal neutron cross section of Am²⁴¹ is 900 barn, thus even upon short irradiation with a high density thermal-neutron beam a significant amount of the above isotopes may be produced. It can be seen from the above process that the yield of fission products is small since they are produced mainly during fission of Am²⁴². This facilitates the chemical processing of irradiated substances. Production of Pu²⁴² by this process requires much less time than the method which uses Pu²³⁹ as starting material. The authors describe the chemical separation of Pu²⁴², Cm²⁴² starting material. The authors describe the chemical separation of Pu²⁴², Cm²⁴² nead Am²⁴³ from irradiated Am²⁴¹. The scheme for the chemical processing was selected to be such that it would produce rapid separation of the products. The main separation steps involved chromatographic and chemical extraction methods. Chromatographic separation was made extremely difficult by high describing due to the presence of Cm²⁴². Chemical processing was carried out in a shielded area on a special stand with remote control of all operations. The article indicates some properties of curium oxalate, potassium curium sulfate, curium hydroxide and curium carbonate. Orig. art. has: 5 tables and 3 figures.

ASSOCIATION: none

SUBMITTED: 18Apr64

ENCL: 00

SUB CODE: GC, NP

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OTHER: 005

DONETS, Ye.D.; SHCHEGOLEV, V.A.; YERMAKOV, Y.A.

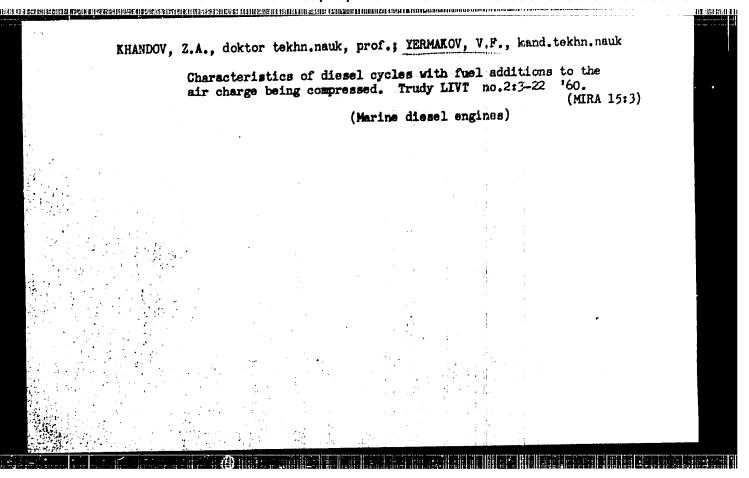
Synthesis of the 103d element (lawrenoium) with mass number 256. Atom. energ. 19 no.2:109-113 Ag '65. (MIRA 18:9)

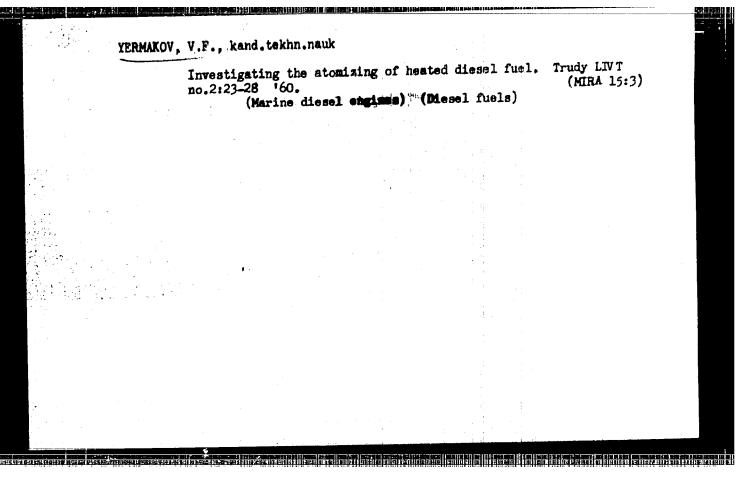
YERMAKOV, V. F.

YERMAKOV, V. F. "Investigation of the Effect of Fuel Temperature on the Working Cycle of a High-Speed Engine with Compression Ignition." Min River Fleet USSR. Leningrad Inst of Water Transport Engineers. Leningrad, 1956. (Dissertation for the Degree of Candidate in Sciences)

Technical

So: Knizhaya Letopis', No. 17, 1956





KHANDOV, Z.A., doktor tekhn.nauk, prof.; YERMAKOV, V.F., kand.tekhn.

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Investigating the feasibility of improving the operations of 3D6 engines. Trudy LIVT no.12:3-10 '61. (MIRA 14:9) (Marine engines)

ACC NR: AR7004111 (4W) SOURCE CODE: UR/0169/66/000/012/V050/V050

AUTHOR: Vyalov, S. S.; Yermakov, V. F.

TITLE: Decrease in the strength of ice with time

SOURCE: Ref. zh. Geofizika, Abs. 12V328

REF SOURCE: Tr. koordinats. soveshchaniy po gidrotekhn., vyp. 23, 1965, 89-99

TOPIC TAGS: glaciology, ice strength, dynamometer, ice rheology, elasticity, rheologic property, ice, plastic deformation, plastic strength

ABSTRACT: A new method of determining the rheological properties of ice using a dynamometric device is examined. The purpose of the method is to accelerate and simplify testing procedures. The test is conducted by measuring the initial load applied to the specimen from the tension on an elastic dynamometer. The stress transmitted to the sample through the dynamometer, produces in the sample creep deformation which, in turn, causes the dynamometer to relax and reduce the stress. The reduction of stress will continue, under any given stress, until the sample's deformation achieves stabilization, i.e., until a state of equilibrium is attained between the load applied to the sample through the dynamometer and the

Card 1/2

UDC: 551, 32:53

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internal resistance of the ice. If the initial strain applied to the sample is approximately equal to the assumed-instantaneous strength, then the stabilization of deformation will correspond to the limiting equilibrium. Since ice does not have stress-rupture strength, a nominative value of relative deformation for a specific length of time may be regarded as the deformation stabilization. Dynamometer testing may be regarded as creep tests with stress varying with time; changes in stress and deformation are interdependent. The proposed method is recommended for conducting tests under different loads (compression, rupture, shear). In conclusion, data obtained in testing samples of polycrystalline glacier and lacustrine ice (Mirnyy, Antarctica), using the dynamometer, are presented. A bibliography of 5 titles is included. G. Deyev. [Translation of abstract]

SUB CODE: 08/

[SP]

Card 2/2

KHANDOV, Zosima Aleksandrovich; YERMAKOV, Vasiliy Fedorovich;
BOTKIN, P.P., kand. tekhn. nauk, retsenzent; AL'IMAN,
I.R., inzh., retsenzent; ZAKHARENKO, B.A., nauchn. red.;
VASIL'YEVA, N.N., red.; KRYAKOVA, D.:., tekhn. red.

[Marine diesel engine operations with a two-stage fuel feed] Rabota sudovogo dizelia s dvukhfaznoi podachei toplivm. Leningrad, Sudpromgiz, 1963. 82 p. (MINA 16:12) (Marine diesel engines)

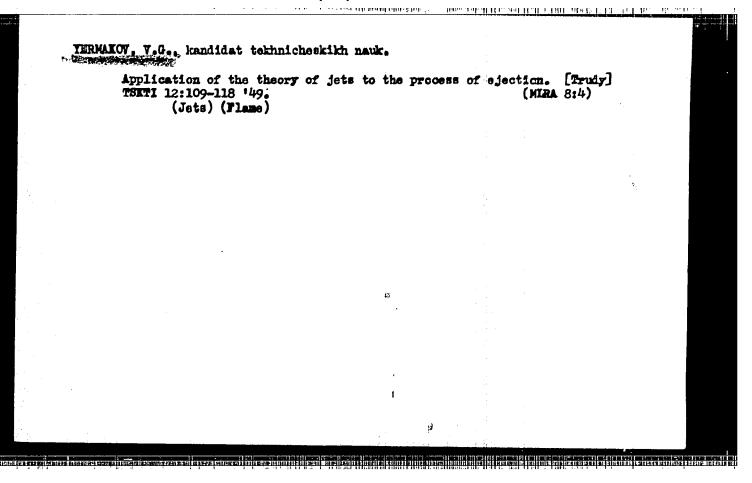
ODINTSOV, M.M., doktor geol.-min. nauk, otv. red.; PAL'SHIN, G.B., kand. geol.-min. nauk, red.; LOGACHEV, N.A., red.; PINNEKER, Ye.V., red.; GRECHISHCHEV, Ye.K., kand. tekhn. nauk, red.; ASTRAKHANTSEV, V.I., red.; VOLOGODSKIY, G.P., red.; KUKUSHKIN, I.P., red.; FEDOROV, I.P., red.; TIZDEL', R.R., red.; SEDOVA, N.G., red.; YERMAKOV, V.F., red.; ASTAF'YEVA, G.A., tekhn. red.; POLITAKOVA, T.V., tekhn. red.

[Bratsk Reservoir; engineering geology of the territory]
Bratskoe vodokhranilishche; inzhenernaia geologia territorii.
Moskwa, Izd-vo AN SSSR, 1963. 274 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut zemnoy kory.

(Bratsk Reservoir region--Engineering geology)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"



BARENKO, Kh.L., kand.tekhn.nauk; YERMAKOV, V.G.

Testing of the blading of a steam turbine with counterpressure.
Energomashinostroenie 7 no.8:12-15 ag '61.

(Steam turbines—Blades)

(Steam turbines—Blades)

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PIS'MEN, M.K.; YERMAKOV, V.G.; BELYANIN, Yu.I.; YAROSLAV, T.Ye.

Experimental pyrolysis of mazut and shale tar. Gaz. prom. 6 no.11:
18-22 '61. (MIRA 15:1)

(Pyrolysis) (Mazut)

SOV/81-59+5-16825

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 5, p 455 (USSR)

AUTHOR:

Yermakov, V.G. a strategic comments which the strategic and a

TITLE:

The Production of Industrial Gases by the Gasification Method

of Lean Fuels With Removal of Slags in the Liquid State

PERIODICAL: V sb.: Gazifik. tverdogo topliva. Moscow, Gostoptekhizdat, 1957, pp 122 - 126; V sb.: Khim. pererabotka topliva. Moscow, AS USSR,

1957, pp 400 - 407

ABSTRACT:

The results are given of the gasification of Silesia coal semicoke in a gas generator for the gasification of lump fuel with the discharge of slag in liquid form. Vapor-oxygen (VO) and carbon dioxide-oxygen blowing was used. When using VO blowing a gas is obtained with a total CO and H₂ content of up to 97%, whereby the gasification of the 10 - 50 mm fractions in the fuel

Card 1/2

is possible. The use of carbon attains the same value as it does

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sov/81-59-5-16825

The Production of Industrial Gases by the Gasification Method of Lean Fuels With Removal of Slags in the Liquid State

in gasification with discharge of solid slag, but the specific expenditure of vapor for obtaining 1 $\rm nm^3$ (CO+H₂), applying the VO-blowing, is 4 times less.



B. Englin

Card 2/2

PIS'MEN, M.K., IEMANOT, T.C., BELYANIN, Yu.I.

Gasification of oil shale with a solid heat transfer agent.

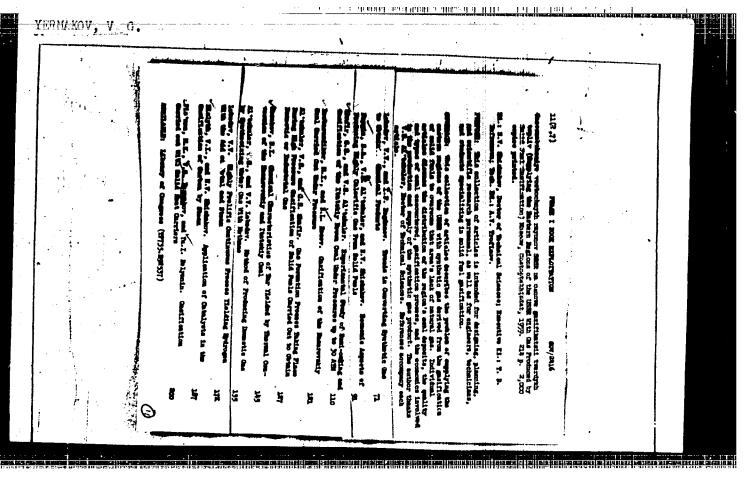
Gas. prom. no.9:21-27 S '58.

(MIRA 11:10)

(Gas manufacture and works)

(Oil shales)

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YERMAKOV, V.I.; ZAGORETS, F.A.; SMIRNOV, N.I.

Study of solutions by high-frequency methods. Part 1. Zhur. fiz. khim. 36 no.6:1180-1185 Je 62 (MIRA 17:7)

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1. Moskovskiy khimiko-tekhnologicheskiy institut imend Mendeleyeva.

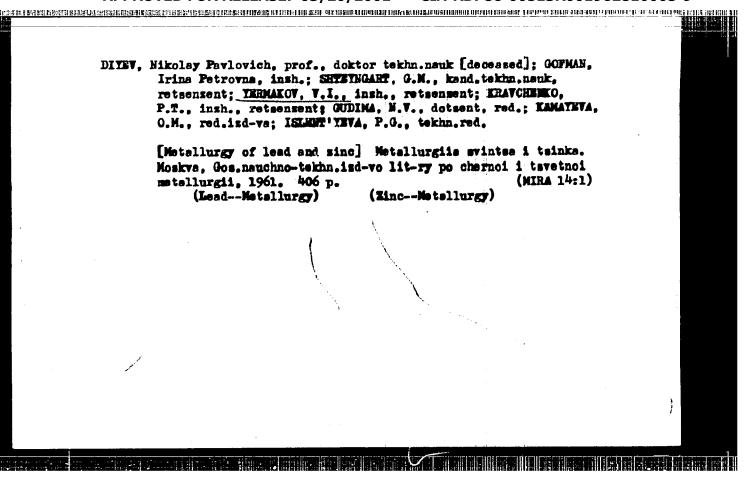
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V. I.

Dissertation: "Methods for Acclimatisation of Sequois in the Forests of the South Crimes." 29/11/50

Moscow Forestry Inst

SO Vecheryaya Mcekva
Sum 71

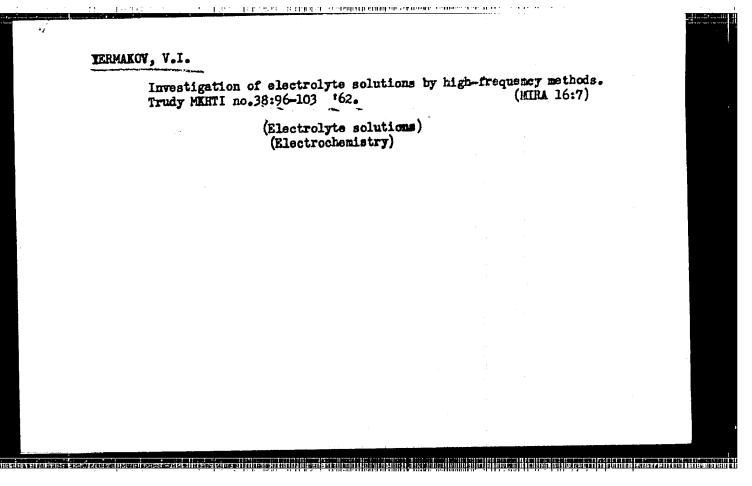


YERMAKOV, V.I. (Noscow)

Universal instrument for the high-frequency physicochemical analysis and titration of scautions. Shur. fiz. khim. 34 no.12:2838-2840 D 160. (MIRA 14:1)

1. Khimiko-tekhnologicheskiy institut imeni D.M. Mendeleyeva, Moskva.
(Titration) (Chemical apparatus)

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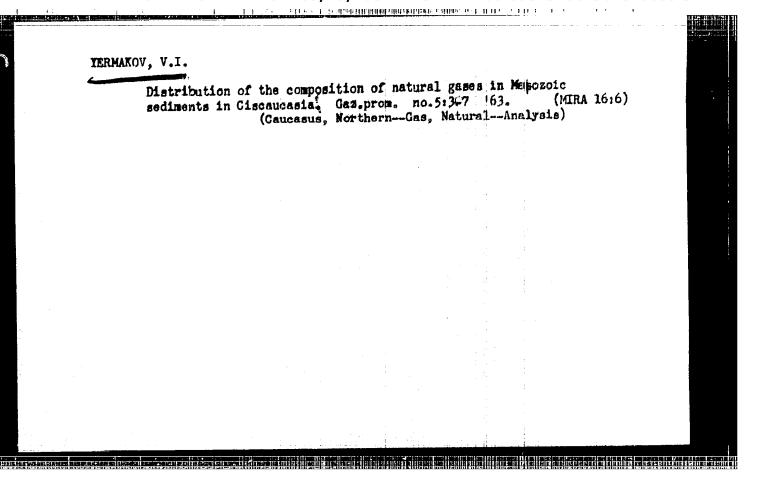


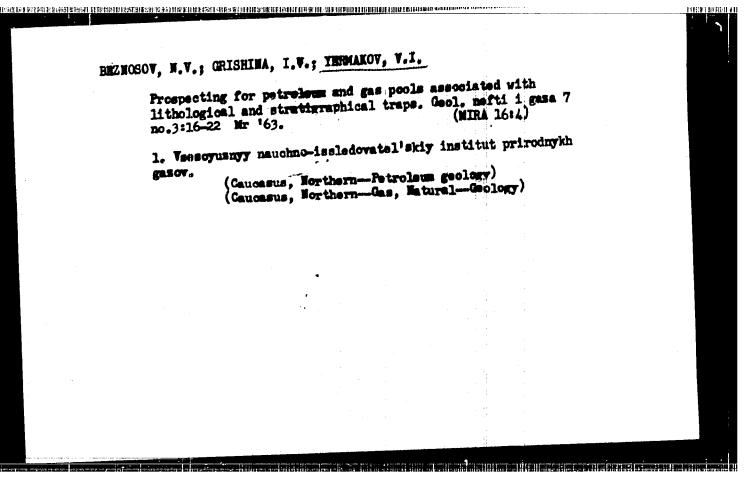
YERMAKOV, V.I.; ZAGORETS, P.A.

Investigation of solutions by high frequency methods. Part 3: Characteristic curves of electrical measuring cells and relaxation phenomena in solutions. Zhur.fiz.khim. 36 no.8:1632-1638 Ag '62. (MIRA 15:8)

1. Khimiko-tekhnologicheskiy institut imeni D.T. Mendeleyeva. (Electrolyte solutions)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"





AUTHORS: Yermakov, V. I., Smirnov, N. I., and Zagorets, N. A. (Moscow)

TITLE: Study of solutions by high-frequency methods. Playersion effects in electrolyte solutions in a wide frequency range of the electromagnetic field

PERIODICAL: Zhurnal fizicheskoy khimila v. 37, no. 3, 1965, 544-552

TEXT: A non-resonance circuit (Fig. 4) is suggested for measuring the relaxation effects in electrolytes. Measurements were conducted by using the equations U₂ = UkY_{br}/Y_{sol} or Y_{sol} = UkÜ_{br}/Ü₃, where k = k₂k₁/k₁k₁T,

U = voltage, Y = conductivity, the index b coing related to the resistance box of the bridge and sol to the electrolyte solution. Measurements with frequencies up to 200 Mo/see yielded a staywise course of the curve electroconductivity versus concentration for KCL, MgH₂, and AlCl₃. This is explained by steric hindrance effects on reformation of the hydrate complexes with a certain lifetime. Shortlived hydrates are found at Card 1/2

Study of solutions by high...

frequencies above 10⁸ cps, whereas below 1 Kc/sec, only the most stable hydrate shells are observed. There are 8 figures.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut [m, D. I. Mondeleyeva (Moscow Institute of Chamical Technology imeni D. I. Mendeleyev)

SUBMITTED: November 5, 1961

Fig. 4. Principle of a z-meter circuit with high-frequency compensation; legend: \$\eta = \text{cell}; \$\eta = \text{generator}\$.

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ACCESSION NR: AP3002946 55/0076/63/037/005/1413/1425

AUTHOR: Zagorets, P. A.; Yermakov, V. I.; Grunau, A. P.

TITLE: Novestigations of solutions by high frequency and nuclear magnetic re-

eclio apparatus

SOURCE: Zhurnel fizicheskoy khimii, v. 37, no. 6, 1963, 1413-1415

TOPIC TAGS: high-frequency method, nuclear magnetic resonance method spin echo apparatus, spin-lattice relaxation time, FeCl sub 3 - NH sub 4 F

ABSTRACT: A method has been proposed for the relative determination of the

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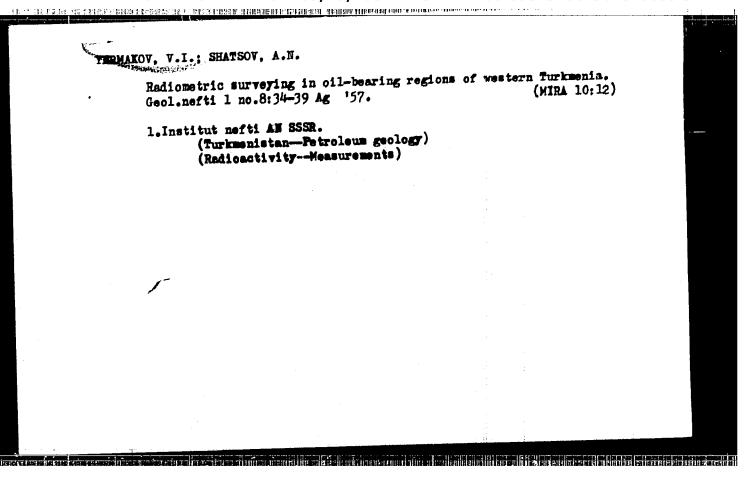
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YERMAKOV, V.I.; NEMCHENKO, N.N.

Possibility of excluding oil- and gas-bearing zones on the basis of data of hydrocarbon analysis. Dokl. AN SSSR 155 nc.1:85-87 Mr '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza. Fredstavleno akademikom A.A.Trofimukom.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"



Vork of metrological institutes in the field of radio measurements.

[mm. tekh. no.6:71-73 N-D '57.

[Radio measurements]

[Radio measurements]

TEMAKOV, V.I.; MASLOV, V.E.; STOLYAROV, O.G.

Application of high-frequency analysis to celloid chemical investigations. Koll.shur. 19 no.2:198-200 Nr-Ap '57' (MEA 10:5)

1.Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendelayeva. (Celloids) (Electrochemical analymis)

CIA-RDP86-00513R001962810005-9 "APPROVED FOR RELEASE: 03/20/2001

SOV/7-58-7-4/13 Alekseyev, F. A., Yermakov, V. J., Filanov, V. A. 21(8)

Concerning the Content of Radioactive Elements Found in waters AUTHORS: of Oil Field Deposits (K voprosu o soderzhanii radioelementov TITLE: v vodakh neftyanykh mestorozhdeniy)

Geokhimiya, 1958, Nr 7, pp 642-649 (USSR) PERIODICAL:

The content of radium and uranium found in waters of oil field deposits was examined: radium was determined radio-chemically ABSTRACT:

(Ref 3); the content of radon was measured by means of the electrometer the the amount of uranium ascertained by luminescence. The research was conducted at the Laboratoriya yadernoy geofiziki i geologii Instituta nefti AN SSSR (Laboratory for Nuclear Geophysics of the Petroleum Institute AS USSR). Waters from wells as well as surface water from oil fields of West Turkmenia (Tables 1-3) were examined. Damples were taken from the petrol and mineral gas province of Emba (Kazakhstan) (Tables 4,5) and from oil fields in the Cis7

Uralian region (Tables 6-8). Independent of the type of deposit, the radium content ranges from 10-10 g/1, seldom inder 10-11 g/1. The uranium content seldom surmounts 1.0 . 10-7 g/1.

Card 1/2

SOV/7-58-7-4 $^{\circ}$ 3 Concerning the Content of Radioactive Elements Found in Waters of Girlield Deposits

The largest quantities of radium are to be found in waters of the calcium chloride type. Uranium is concentrated in waters of the sodium bicarbonate type. Radium is found in largest amounts in the marginal zones of the oil field deposits. There are 8 tables and 12 references, 11 of which are Soviet.

ASSOCIATION: Institut nefti AN SSSR, Moskva (Petroleum Institute of the

Academy of Sciences, USSR, Moscow)

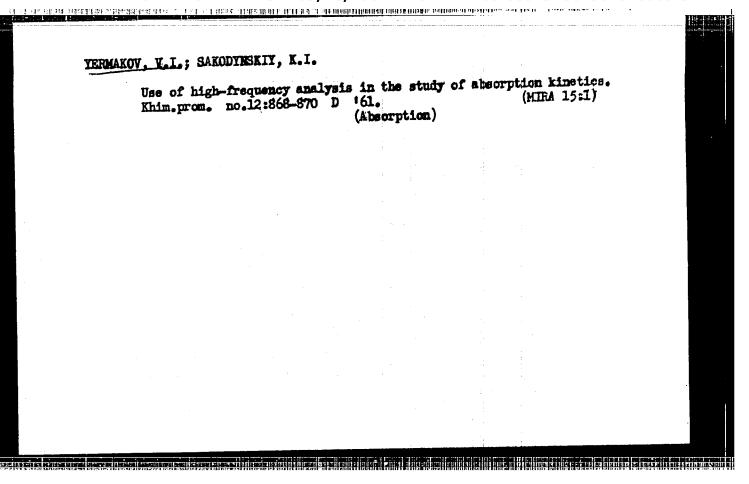
SUBMITTED: July 7, 1958

Card 2/2

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TERMAKOY, V.I. Apparatus for determining the electric conductivity and concentration of solutions. Zav.lab. 26 no.2:229-230 '60. (MRMA 13:5) 1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva. (Solution (Chemistry)) (Dectric conductivity)



ZAGORETS, P. A.; SMIRNEY, N. I.; YERMAKOV, V. I.

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Investigation of solutions by high-frequency methods. Fart 4: Frequency of the measuring generator as dependent on the conductance and dielectric constant of electrolyte solutions. Thur. fis. khim. 36 no.12:2743-2748 D 162. (MIRA 16:1)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendelsyeva.
(Electrolyte solutions)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV. V. J.; SMIRNOV, N. I.; 2AGORETS, N. A.

Study of solutions by high-frequency methods. Fart 6. Zhur.
fiz. khim. 37 no. 3:544-552 Mr 163. (MIRI 17:5)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva,
Moskva.

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P.

Study of solutions by high-frequency methods. Part 8: Structure of Co and Cu 2 solvates in methanol solutions. Zhur.fiz.khim. 37 no.10:2155-2162 0 '63. (MIRA 17:2)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

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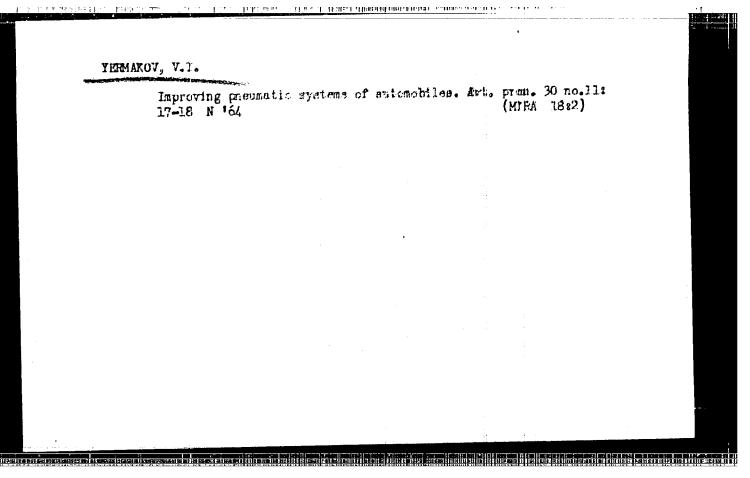
Possibility of determining the moisture of the granular substance for tablets by measuring its dielectric permeability.

Aptech. delo 12 no.3:22-24 My-Je*63 (MTRA 17:2)

1. Mentral'nyy aptechnyy nauchno-isaledovatel'skiy institut i Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

Study of electrolyte solutions by high frequency methods. Part 5.
Zhur.fiz.khim. 37 no.1:184-186 Ja '63. (MIRA 17:3)

1. Khimiko-tekhnologicheskiy institut imeni Mendeleyeva.



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ACCESSION NR: AP4034592

S/0076/64/038/004/1030/1031

AUTHORS: Yermakov, V.I.; Zagorets, P.A.; Grunau, A.P.

TTIE: A device for thermostating specimens in NMR experiments.

SOURCE: Zhurnal fizicheskoy khimii, V.38, no.4, 1964, 1030-1031

TOPIC TAGS: thermoregulator, nuclear magnetic resonance, control circuit, temperature control, gas heat exchanger, spin echo

ABSTRACT: The article describes a device, which uses gaseous heat exchangers, for thermostating specimens in experiments with spin echo. The temperature of the investigated solutions was maintained echo. The temperature of the investigated solutions was maintained at 40 to -300 as desired. Nitrogen gas was used as a heat exchanger. Its flow was regulated by changing the current through the heater in a Dewar flask with liquid nitrogen. To minimize the consumption of nitrogen and to achieve lower temperatures, the measuring head with the specimen was separated from the poles of the electromagnet by an air gap. In addition, the poles of the electromagnet are cooled by spiral tubes, placed around the poles, through which water

ACCESSION NR: AP4034592

is passed. The desired temperature level with accuracy of 0.01 degins maintained constant automatically by means of a device consisting of a termister bridge and a regulating potentiometer, PSR-1-0.1.

Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendeleyeva (Moscow Institute of Chemical Technology)

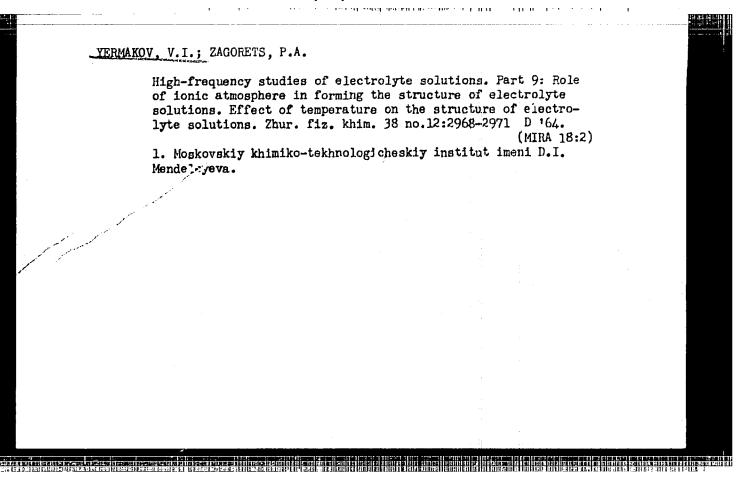
SUBMITTED: OGJul63

SUB CODE: NP, TD: NR REF SOV: OOl OTHER: OOl

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P.

Study of solutions by high frequency methods and by the nuclear magnetic resonance method. Part 11. Zhur. fiz. khim. 39 no.2: 456-458 F *65. /MIRA 18:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.



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YERMAKOV, V.I.; MARTYUSHIN, I.G.

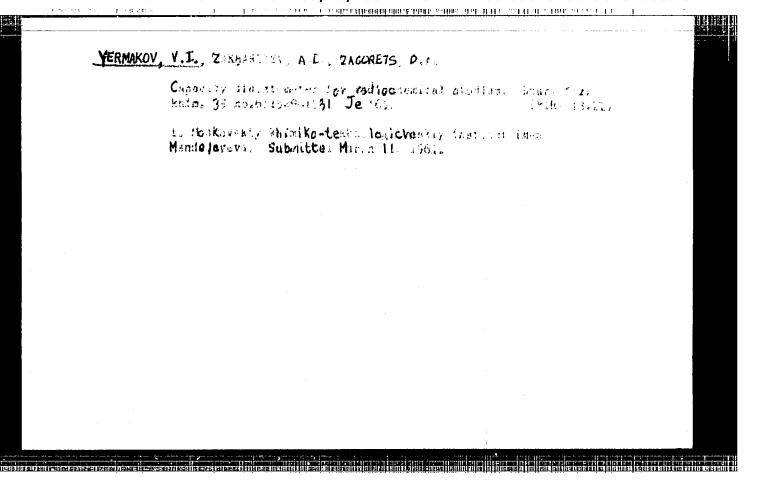
Investigating the gas content of a bubbling layer for processes with solid phase participation. Khim. prom. 42 no.9:701-703 S 165. (MIRA 18:9)

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ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P.

Study of solutions by the high-frequency methods and by the nuclear magnetic resonance method. Part 12. Zhur.fiz,khim. 39 no.7:1552-1555 Jl 165. (MIRA 18:8)

1. Khimiko-tekhnologicheskiy institut imeni I).I.Mendeleyeva.



SOURCE CODE: UR/0115/66/000/012/0051/0053 ACC NR. AP7002707 (A)

AUTHOR: Yermakov, V. I.; Zemskov, Ye. M.; Sachkov, V. I.

ORG: none

TITLE: Some relations characterizing the beam path in a cesium frequency standard

SOURCE: Izmeritel'naya tekhnika, no. 12, 1966, 51-53

TOPIC TAGS: frequency standard, cesium frequency standard, atomic clock

ABSTRACT: Early authors' experiments with the cesium atomic-beam frequency standard involved a collimating diaphragm and were found to be unwieldy. Hence, further experiments were conducted without collimators, their functions being performed by beam slits cut in the resonators. Formulas are deduced which impose certain conditions on the widths of the slits in the resonators, source, and detector and also on the field gradient of the deflecting magnets. These conditions make possible successful operation of the frequency standard not equipped with the collimating diaphragm and having symmetrical beam deflection. These relations are derived: detector slit width

$$b_{\rm H} + \frac{l_{\rm e}}{l_{\rm 1} + l_{\rm 3} + l_{\rm 3} + l_{\rm 4}} b_{\rm p} < \frac{4M_{\rm shp} \, \nabla B}{3m \, \alpha^{\rm B}} \, l_{\rm s} \left(\frac{l_{\rm s}}{2} + l_{\rm s} \right)$$

 $b_{\partial}=2b_{\mathbf{m}}+b_{\mathbf{m}}$.

$$b_{p} < \left[\frac{4 M_{0} \log \nabla B}{3m \alpha^{0}} l_{0} \left(\frac{l_{1}}{2} : l_{1} \right) - b_{n} \right] \frac{l_{1} + l_{0} + l_{1} + l_{2}}{l_{0}},$$

Card 1/2

UDC: 621.373.(083.76):546.36

ACC NR: AP7002707

The beam can be limited either by the first (from the source) or by the second resonator. If $b_n + b_p < \frac{a l_1}{b^2} (2 l_1 + l_2)$, the first resonator places the limitation; if $b_n + b_p > \frac{a l_2}{b^2} (2 l_1 + l_2)$, the scond. Here, b_n - source slit width and b_p - resonator slit width. Actually, both resonator slits act simultaneously as the beam contains atoms that have different speeds. Orig. art. has: 2 figures and 24 formulas.

SUB CODE: 09, 20 / SUBM DATE: 21Jul66 / ORIG REF: 000 / OTH REF: 001

SHILOV, Yu.M., kand. farm. nauk; DARAGAN, V.L.; YERMAKOV, V.I., kand. khim. nauk

High-frequency device for the determination of moisture in samples of losse preparations. Sbor. nauch. trud. TSANII 6: 127-133 *64.

1. TSentral'nyy aptechnyy nauchno-issledovatel'skiy institut (for Shilov, Daragan). 2. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva (for Yermakov).

ZAGORETS, P.A.; YERMAKOV, V.I.; GRUNAU, A.P. (Moskva)

Study of solutiond by high-frequency methods and by the method of nuclear magnetic resonance. Part 10. Zhur. fiz. khim. 39 no. 1:9-12 Ja *65 (MIRÆ 19:1)

1. Khimiko-tekhnicheskiy institut imeni D.I. Mendeleyeva, Moskva. Submitted June 26, 1964.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

YERMAKOV, V.I.

Relation of the composition of Lower Cretaceous natural gases in the Northern Caucasus to the metamorphosing degree of formation waters. Dokl. AN SSSR 165 no.4:923-926 (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza. Submitted March 16, 1965.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

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YERMAKOV, V.I.

Zonal distribution of diluted games of the Lower Cretaceous aquiferous complex of Ciscaucasin. Dokl. AN SSSR 161 no.2: 447-450 Mr 165. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel skiy institut prirodnogo gaza. Submitted June 13, 1964.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

VASIL'YEV, Ye.A., red.; YERMAKOV, V.I., red.; KALUZHSKIY, N.A., red.; KOMSHILOV, N.F., red.; MATYUSHKINA, A.P., red.; KIKINOV, G.V., red.; RAYEVSKAYA, V.S., red.; SHCHEMELEVA, A.V., red.

[Materials of the Conference on the Overall Use of Wood]
Materialy Konferentsii po kompleksnomu ispol'zovaniu drevesiny. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1964. 306 p. (MIRA 18:1)

1. Konferentsiya po kompleksnomu ispol'zovaniyu drevesiny, Petrozavodsk, 1961.

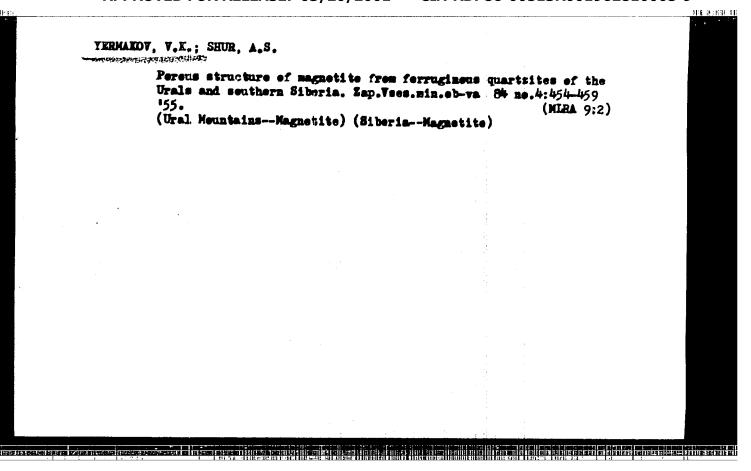
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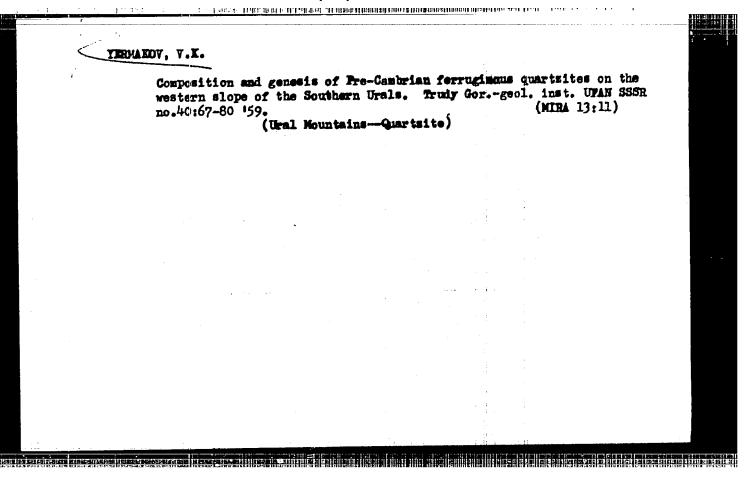
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- 1. MUSTEL', P. I.; YERMAKOV. V. K. EDG.; HINAS'YAN, V. P., Eng.; DZASOKHOV, A. KH.
- 2. USSR (600)
- 4. Mine ventilation
- 7. "Mine ventilation." Reviewed by P. I, Mustel', V. K., Yermakov, V. P., Eng., Minas'yan, Gor. zhur. no. 11, 1952

9. Monthly List of Russian Accessions, Library of Congress, 1953, Unclassified.

արագույանը իր է ու մի արձ արդական անհայան ու իրականի արձ արդանական իրականի հիմակացի արգականական արդական թուցին





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YERELAKOV, V. II. --

"The Legal-Medical Significance of Parasitic Invasions." Cand Med Sci, First Moscow Order of Lenin Medical Inst, 1 Nov 54, (VM, 20 Oct 54)

Survey of Scientific and Technical Dissortations Defended at USSR Higher Educational Institutions (10)

SG: Sum. No. 481, 5 May 55

<u>१९८८ - १९६८ : १८८८ - १८८५ १ १६६६ असम्बद्धाः भन्तामा अन्य समात्राम सम्मात्रामा समारक्षामधामा मानावान सन्तर्भाग । १८८५ - १</u>८८ - १८८८

"The Effect of Neuroplegic Mixtures on the Ability of Animals to Withstand Oxygen Storvation and Burn Shock," from the book Theses of the Reports of the Scientific Session of the Military Medical Academy im. s. M. Kirov, Tezisy Dokladov Nauchnoy Sessi, 29 Oct-2 New 1956, Leningrad.

TERMAKOV, V.M., kand.med.nauk

Fatal outcome following invasion of the upper respiratory tract by ascarids. Vest.oto. -rin. 20 no.3174-76 My-Je '48 (MIRA 11:6)

1. Is kafedry sudenboy meditsiny (sav. - prof. V.F. Chervakov)

I Moskovskogo meditsinskogo instituta.

(ASCARIDS

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(RESPIRATORY TRACT. dis

ascariasis of upper tract (Rus))

(RESPIRATORY TRACT. dis

YERMAKOV, V. M.

"An Approach to the Problem of Natural Focalization of Trichinosis."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

First Moscow Medical Institute

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962810005-9"

Cysticercosis in children. Pediatriia 38 no.10264-68 0 '60. 1. Iz kafedry obshchey biologii (mav. - zhlen-kogrespandent MW SSSR prof. F.F. Talyzin) i kafedry sudebnoy meditsiny (mav. - zasluzbennyy deyatel' nauki RSFSR prof. V.F. Chiavakev) I Moskov-skogo erdena Lenina meditsinskogo instituta imeni I.M. Sechenova (dir. - prof. Kovanov, V.V.) (CISTICERCOSIS)

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YERMAKOV, V.M.; KUKLINA, N.V.

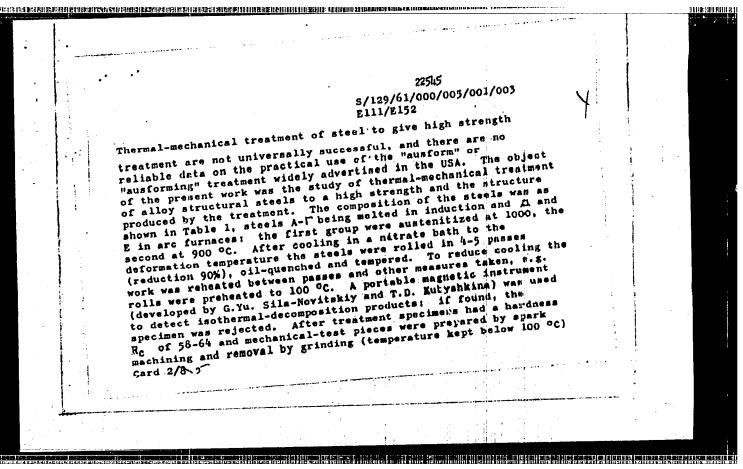
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i bol. 9 no.3:5-7 '64. (MIRA 17:4)

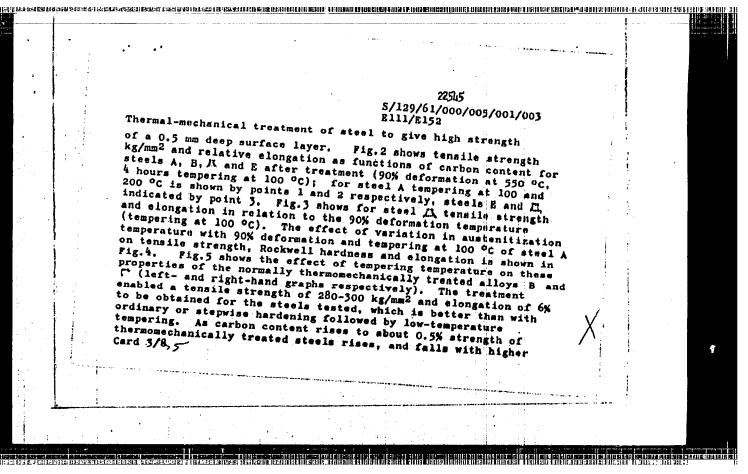
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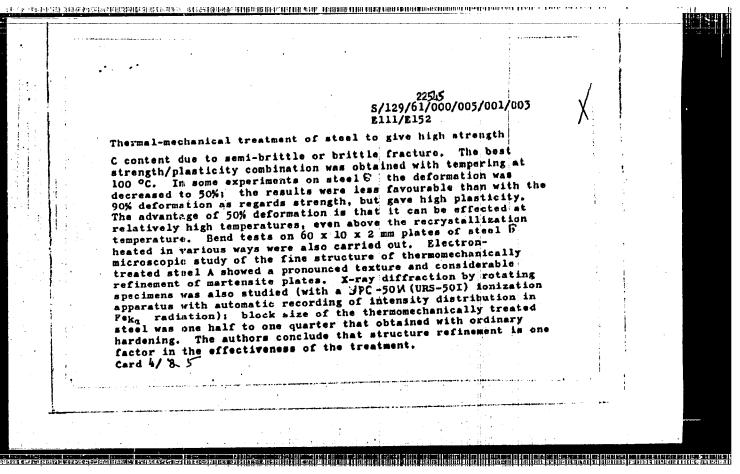
1. Glavnyy agronom Atkarskogo proizvodstvennogo upravleniya, Saratovskoy oblasti 'for Yermakov). 2. Nachal'nik otryada po zashchite rasteniy Atkarskogo proizvodstvennogo upravleniya, Saratovskoy oblasti (for Kuklina).

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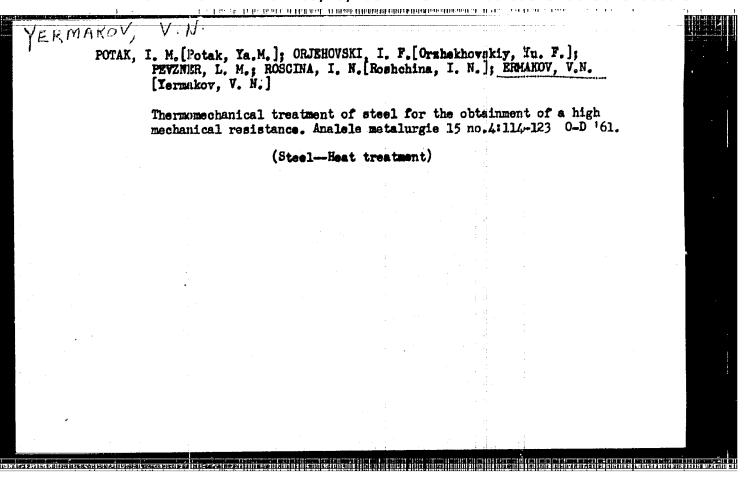
1-1710 - - 10-11, 1913, 1934 E111/E152 Totak, Ya.E., Candidate of Technical Sciences, Orzhokhovskiy, Yu.F., Candidate of Technical Sciences, Fevzner, L.M., Candidate of Technical Sciences, AUTIGAS: Roshchina, I.N., Engineer, and Yermakov, V.N., Engineer. Thermal-mechanical treatment of steel to give high TITLE: strength PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov. 1961, No.5. pp. 2-9 The authors point out that recently such attention has TEXT: been given to combined mechanical and head treatment, by two possible methods. In one method the steel is rapidly deformed in possible methods. In one method the steel is rapidly deformed in the austenite-stable temperature range and quenched. While this improves the steel in many ways it fails to increase tensile improves the steel in many ways it fails to increase tensile interest. In the second method the steel is deformed at a temperature between the mentantial point. temperature between the martensite point Md and the recrystallization temperature, and quenched. This gives increased strength with satisfactory plasticity. Results of thermal-mechanical Card 1/8.5

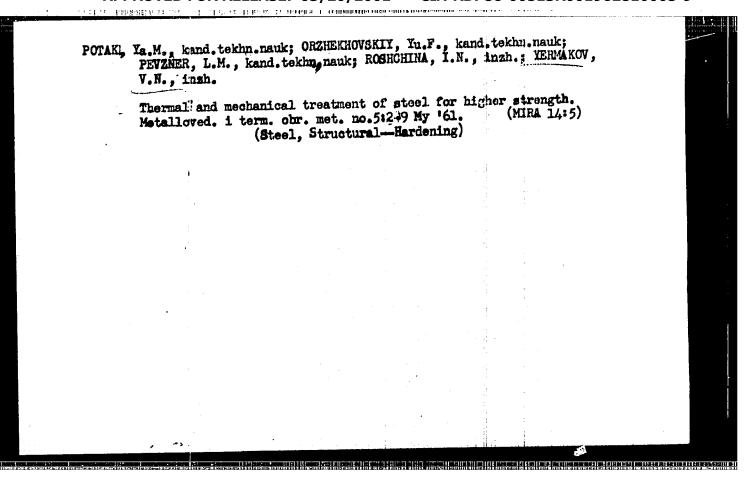






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	Thermal-mechanical treatment of steel to give high strength Thermal-mechanical treatment of steel to give high strength V.V. Chugunov, K.S. Medvedeva, G.G. Solov'yeva, Ye.G. Filippova, T.D. Kubyshkina, V.V. Bol'shakova and Yu.N. 'Kabanov participated There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references read: There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 4 tables and 21 references; 13 Soviet and in the work. There are 8 figures, 5 tables, 5 tables, 6 tables, 6 tables, 7 tables, 7 tables, 7 tables, 8 table	
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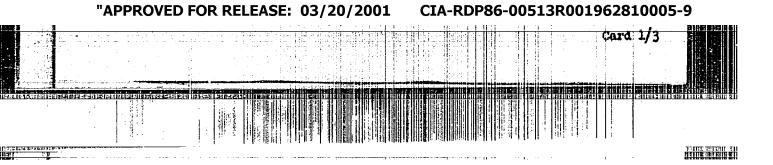


Hermitay, V.N.

AID Nr. 977-2 27 May

AUSFORMING OF STRUCTURAL STEELS (USSR)

Yermakov, V. V. V. Chugunov, and Yu. F. Orzheki ovskiy. Metallovedeniye i termicheskaya obrabotka metallov, no. 4, Apr. 1961, 25-29.



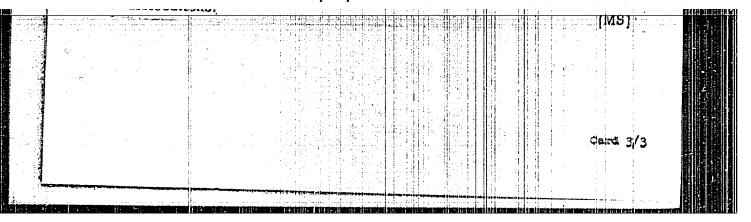
and 12 and 13, steel 4 renelted in a consumble-electrode vacuum arc furnace. The ausforming consisted of austentitzing at 1000 4 salipeter bath or furnace cooling to 500°C, rolling in 5 to 1 passes with historial reduction of 90%, and oil quenching. This was followed by temperily at 100, 200, 300, or 400°C for 3 hrs. The specimens were encaded in XLEHEP stainless steel envelopes; rolls were preheated to 80-109 C. In all atcell he best combination of strength and ductility -- tensile strength d, of all -290 kg/mrn2 and elongation of 6 = 6 to 9% -- was obtained by termieling at 100°C. Remelted steels generally were found to have highly strength and ductility. After tempering at 100°C the induction-metted stilled a yield strength $\sigma_{0.2}$ of 200. 5 kg/mm², $\sigma_{0} = 268.5 \text{ kg/mm}^{2}$ $\delta = 1.6\%$. In remelted afee's (except for steels vacuum to cheltal na magnetic field, db varied from 280 to 290 kg/mm2, Co. 2 from 180 to 210 kg/mm², and 6 from 6 to 10%. Steels conventionally thin rdened and tempered at 100°C in many cases showed partial brittle failure. Short-time Cart 12/3

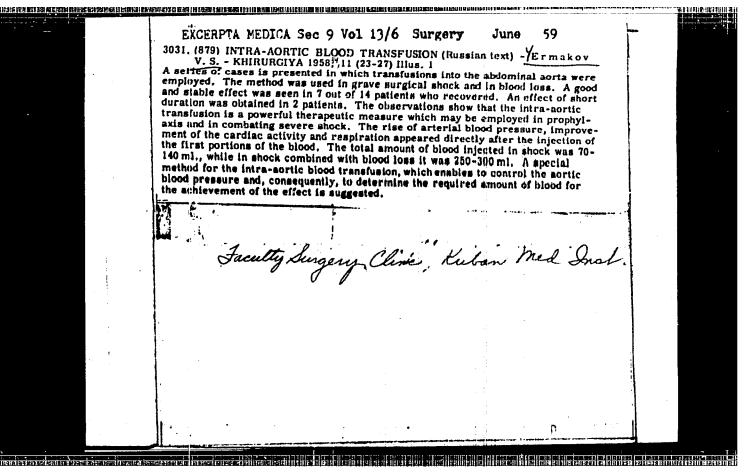
AD Nr. 977-2 27 May

AUSFORMING OF STRUCTURAL STEELS [Const. d]

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tests at elevated temperature showed that ausformed step with 0.28% V is more heat resistant at temperatures up to 400-500°C than step without V. Ausforming results in a considerable anticipation.





YERMAKOV, V. S., Cand Med Sci -- (diss) "Discontinuous and momentary intra-arterial blood transfusion." Saratov, 1960. 11 pp; (Ministry of Public Health RSFSR, Saratov State Medical Inst); 200 copies; price not given; (KL, 26-60, 143)

